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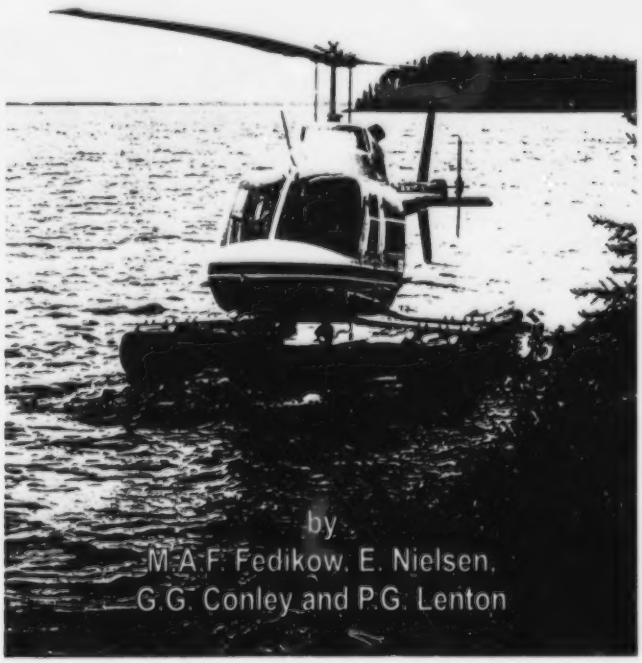
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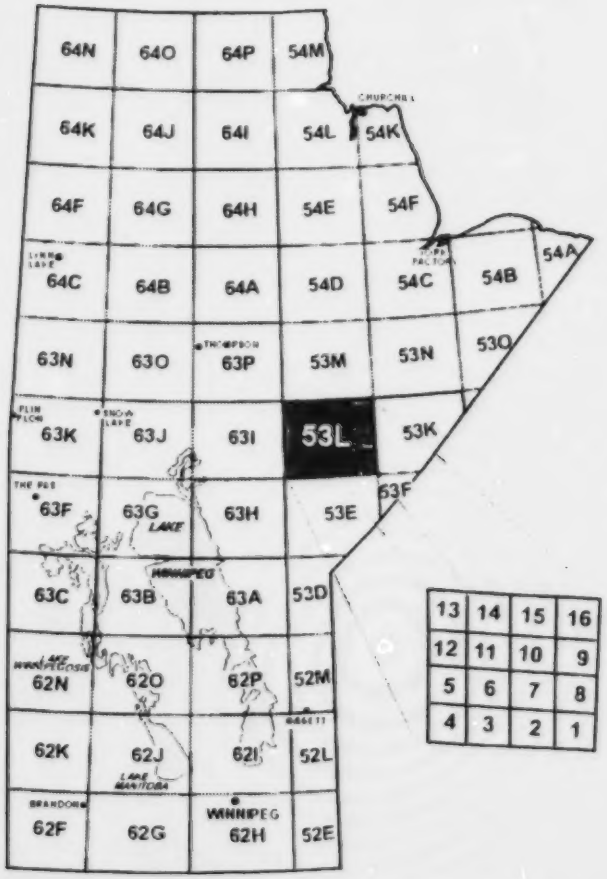
Operation Superior: Multimedia Geochemical and Mineralogical Survey Results from the Southern Portion of the Knee Lake Greenstone Belt, Northern Superior Province, Manitoba (NTS 53L): Volume 1



by
M.A.F. Fedikow, E. Nielsen,
G.G. Conley and P.G. Lenton

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By M.A.F. Fedikow, E. Nielsen, G.G. Conley and P.G. Lenton
Winnipeg, 2000

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This publication is available in large print, audiotape or braile on request

Georeference:
NTS area: 53L

Keywords:

base metals
geochemical methods
geochemical surveys
greenstone belts
horizons
humus
indicator minerals
kimberlite
Knee Lake
Manitoba
metals
mineral exploration
mineralization
precious metals
rocks
sediments
Superior Province
surveys
till
vegetation

Suggested reference:

Fedikow, M.A.F., Nielsen, E., Conley, G.G., and Lenton, P.G. 2000: Operation Superior: multimedia geochemical and mineralogical survey results from the southern portion of the Knee Lake greenstone belt, northern Superior Province, Manitoba (NTS 53L); Manitoba Industry, Trade and Mines, Geological Survey, Open File Report OF2000-2, 2 vols. +1 CD-ROM.

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INTRODUCTION

In 1996 the Manitoba Geological Services Branch (now the Manitoba Geological Survey) embarked upon a five-year program of helicopter- and fixed wing-assisted multimedia geochemical sampling, designed to assist in the definition of exploration targets and the assessment of mineral resource potential in the northern Superior Province. This initiative has been called Operation Superior and preliminary results for the areas surveyed in 1996, 1997 and 1998 were released in Fedikow et al. (1997a, b, 1998, 1999).

The application of belt-scale and regional geochemical surveys to relatively underexplored terrain has been extensively documented. Usually these surveys have utilized one or two sampling media, such as soil or rock, with generally positive results in reducing large tracts of ground to more localized areas of higher exploration prospectivity. Operation Superior belt-scale multimedia geochemical surveys specifically address the relatively underexplored Archean greenstone belts in the Superior Province of northeastern Manitoba by systematically collecting rock, till, b-horizon soil, humus and vegetation samples from sample sites established at 1 km centers, within mapped boundaries of the greenstone belts. The results of surveys conducted in year four of this project are presented in this report, and include geochemical survey results for rock, till, b-horizon soil, humus, and vegetation. Kimberlite indicator mineral survey results for diamonds based on 25 kg bulk till samples are also presented. Mineralogical indicators of metamorphosed massive sulphide-type and magmatic sulphide deposits as well as gold grain counts based on 8 kg bulk till samples are presented for the first time in the 2000 report.

One of the non-geochemical benefits of landing a helicopter every 1 km during sampling is the opportunity to make geological observations at outcrop sample sites and in areas of recent burn. Forest fires in 1988 and 1989 have exposed large areas of outcrop in the northern Superior Province that were covered with vegetation and/or soil. An excellent example of this benefit has been described in Fedikow et al. (1997a, b) and Fedikow and Nielsen (1997), where an areally extensive, hydrothermally altered base and precious metal depositional environment was recognized.

A complimentary project was initiated by the Geological Survey of Canada (GSC) in 1996. In the GSC survey, which focussed on the predominantly intrusive geological terrane separating the greenstone belts, till samples were collected on a 40 km sample spacing to provide a regional framework for interpretation of the more detailed multimedia program. This survey was undertaken by Harvey Thorleifson of the Geological Survey of Canada and Gaywood Matile of the Manitoba Geological Survey and has been released as Open File Report OF97-3 (Matile and Thorleifson, 1997).

Historically, the commodity focus in Manitoba has been base and precious metals, with lesser interest in the pegmatite-hosted rare element deposits such as those at Bernic Lake. This multimedia geochemical survey is designed to address base and precious metals, pegmatite and carbonatite-hosted rare element deposits as well as diamonds. The approach is to collect a variety of sample media at each site and analyze these samples in a multielement manner using the most advanced technological instrumentation and innovative digestion techniques available. Instrumental neutron activation (INA), inductively coupled plasma-atomic emission spectrometry (ICP-AES), and inductively coupled plasma-mass spectrometry (ICP-MS) are the main analytical techniques chosen for this purpose. Additionally, pH and conductivity measurements (converted to H^+ and specific conductance, respectively) assess water-extractable components in rock, b-horizon soil and humus samples in this survey. The pH measurements were done using a VWR model 8000 pH meter with a Ross #8165 BN Combination pH electrode. Conductivity was measured with an Orion model 125 conductivity meter with an Orion #011020 glass conductivity cell.

The enzyme leach selective extraction process has once again been applied to b-horizon soil samples in this survey. This approach utilizes a phase-specific dissolution that liberates metals adsorbed

onto the amorphous Mn-oxide coatings of individual mineral grains in the b-horizon. The leachate is analyzed using ICP-MS, and element concentrations are reported at parts per billion concentration levels. Because of the relative abundance of thick and compositionally variable surficial deposits in this year's study area and the successful application of this technique in years one, two and three of the project, year four b-horizon soils were analyzed using only the enzyme leach-ICP-MS technology. The nature of the surficial sampling environment necessitate the appreciation of innovative analytical approaches for this survey. In the 1999 survey, b-horizon soil samples consist of 75% clay, 12% till, 9% "mixed" samples reflecting permafrost mixing of clay, till and other sediments, 3% sand and 1% silt.

A unique opportunity to assess the diamond potential for greenstone belts of the northern Superior Province in Manitoba has been extended by cooperative efforts with MONOPROS Ltd. Eleven litre pails of till collected at each sampling site were concentrated, mineralogically picked and microprobed to provide mineral chemistry for classification purposes. Sample locations were withheld until release of the open file report to ensure security and equal opportunity for follow-up by all interested parties in the exploration community. This approach permitted diamond potential to be assessed in the 2000 survey area that under normal circumstances would have been too costly for the Manitoba Geological Survey to undertake.

As part of another cooperative arrangement with the Geological Survey of Canada, crown twig samples collected from black spruce trees were ashed in the GSC laboratories under the direct supervision of Dr. Colin Dunn. The vegetation geochemical samples were prepared with good control on ashing temperatures and contamination. Analyses were bracketed with vegetation geochemical standards prepared in these same laboratories, resulting in the development of a well constrained vegetation geochemical database.

The element Hg was analyzed in outcrop rock chip, b-horizon soil and humus samples as a specialty element. The analysis was undertaken at Activation Laboratories Ltd. (Ancaster, Ontario) using a flow injection mercury system (FIMS) designed by Perkin Elmer Ltd. Till was analyzed for Hg by cold vapour-atomic absorption spectrometry (AAS).

The interpretation of exploration geochemical data often relies upon the recognition of localized patterns of element variation. This approach to data interpretation is strongly recommended for the data presented from the 1999 Operation Superior multimedia geochemical survey. The interpretation of enzyme leach data is premised on the recognition of central lows or zones of low metal concentrations surrounded by or associated with elevated metal contents. This approach to interpretation is somewhat more difficult with irregularly distributed data, such as those collected during this survey, however the identification of a geochemical "cell" using the enzyme leach approach is most desirable. Apical or single point anomalies have been recognized in previous year's surveys.

The format of the 2000 multimedia geochemical survey report has been significantly modified from that produced in 1996. Data and preliminary interpretations for results from each of the sampling media are presented in two binders. This was achieved by producing element-and media-specific percentile bubble plots for the southern portion of the Knee Lake greenstone belt (NTS 53L) on the same page. This significantly reduces hardcopy volume. Finally, all text and graphical data are presented on CD-ROM for ease of computer applications. The design and construction of the CD-ROM was undertaken by Paul Lenton of the Manitoba Geological Survey.

METHODOLOGY

Multimedia geochemical samples were collected on approximately 1 km centres or as dictated by access to landing sites using a float equipped helicopter (Bell Jet Ranger 206B). The procedure at each site was to establish, by way of hand augering, the location from

which a till sample was to be collected. All other samples were collected in and around the immediate area of the till pit. Sample site locations were plotted on airphotos while viewing the sites from the helicopter subsequent to sample collection.

The specifics of sample collection, preparation and analyses, including data and derived products are described individually for each media type.

DATA DISPLAY

Geochemical data for all sample types are presented in table format with site identification and UTM coordinates (Zone 15, NAD83). This same data is presented as delimited ASCII, EXCEL 4.0 files and ARCVIEW Tables on the CD-ROM enclosed in the back of this report. The variation in concentration of the various elements throughout the survey areas is presented as percentile interval bubble plots produced using ARCVIEW GIS software, digitized sample locations and analytical data. Percentile values represent the percentage of data points that fall below a certain analytical value; e.g. a 25th percentile value of 30 ppm Cu indicates that 25% of the data points have values for Cu that are less than 30 ppm. Likewise, at a 95th percentile value of 200 ppm Cu, only 5% of the data points would have values in excess of 200 ppm.

This presentation is a preliminary attempt to identify areas of high metal contents and thereby reduce the large areas surveyed to smaller areas for follow-up work. Although for any given area and sample medium the number of samples may be low for the calculation of percentiles, the user can still quickly assess geochemical response by examining non-transformed geochemical data. Users can manipulate the geochemical data in a manner appropriate to their needs by accessing the data on CD-ROM. Elements consistently below the Lower Limit of Detection (LLD) have been excluded from the data tables and are not discussed further. Samples with concentrations below the LLD for any particular element are assumed to have metal contents equivalent to ½ of the stated LLD. This value was also used for all plotting purposes. For brevity and simplicity in the graphical display of geochemical data only total rare earth element (TREE) is plotted for rock, humus and vegetation data. Concentrations for individual REE as well as total REE are presented in the Appendices.

Users will note that only simplified geology of the Knee Lake greenstone belt is presented on the percentile bubble plots. This geology was derived from a digital version of the 1:1 000 000 bedrock map of the province (Map 79-2) and the 1:250 000 Bedrock Geology Compilation Map Series map for NTS 53L. The UTM coordinates for sample sites are derived from 1:50 000 topographic maps. Sample numbers can be derived by overlaying the mylar sample site location map on the bubble plots. A comprehensive listing and description of the contents of the CD-ROM is available as a README document in the root directory of the CD-ROM.

BEDROCK GEOLOGY AND MINERAL DEPOSITS OF THE 1999 SURVEY AREA

Multimedia geochemical and mineralogical surveys were conducted in the southern half of the Knee Lake greenstone belt in 1999 (Fig. 1). The simplified regional geology in the survey areas is presented in Figure 2. Figure 3a has the same geological base as Figure 2 with sample site locations. Figure 3b (in back pocket) is a mylar overlay showing the sample site locations. The area of the Knee Lake greenstone belt sampled in 1999 extends from the south end of Cinder Lake to south of Magill Lake and from the eastern boundary of the Oxford House Indian Reserve east to Bayly Lake.

Knee Lake greenstone belt (southern half)

Introduction

The description of the geological setting of the Knee Lake greenstone belt is taken primarily from Gilbert (1985), Syme et al. (1997, 1998) and Lin et al. (1998). These reports summarize recent

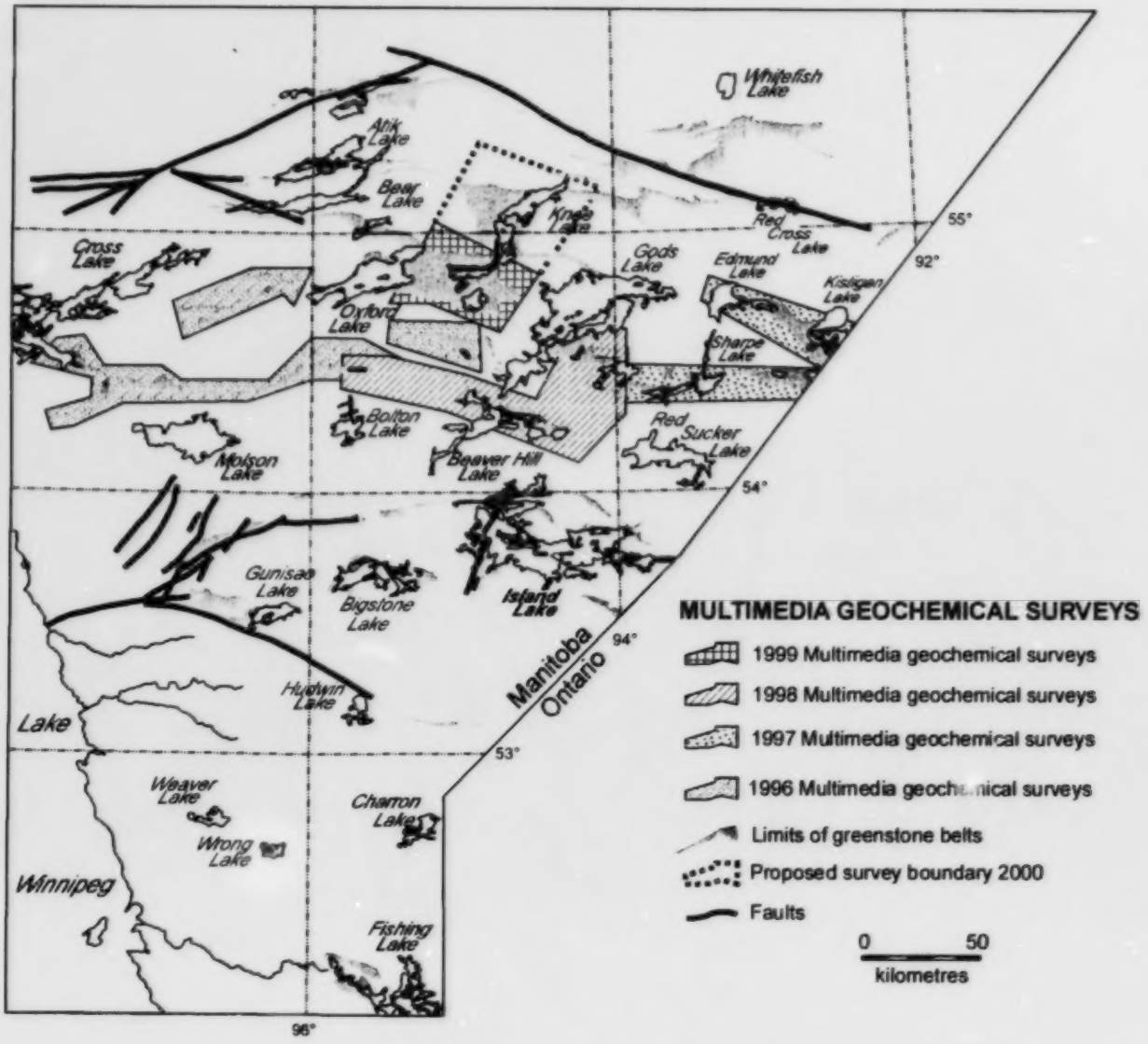


Figure 1: Location of multimedia geochemical surveys.

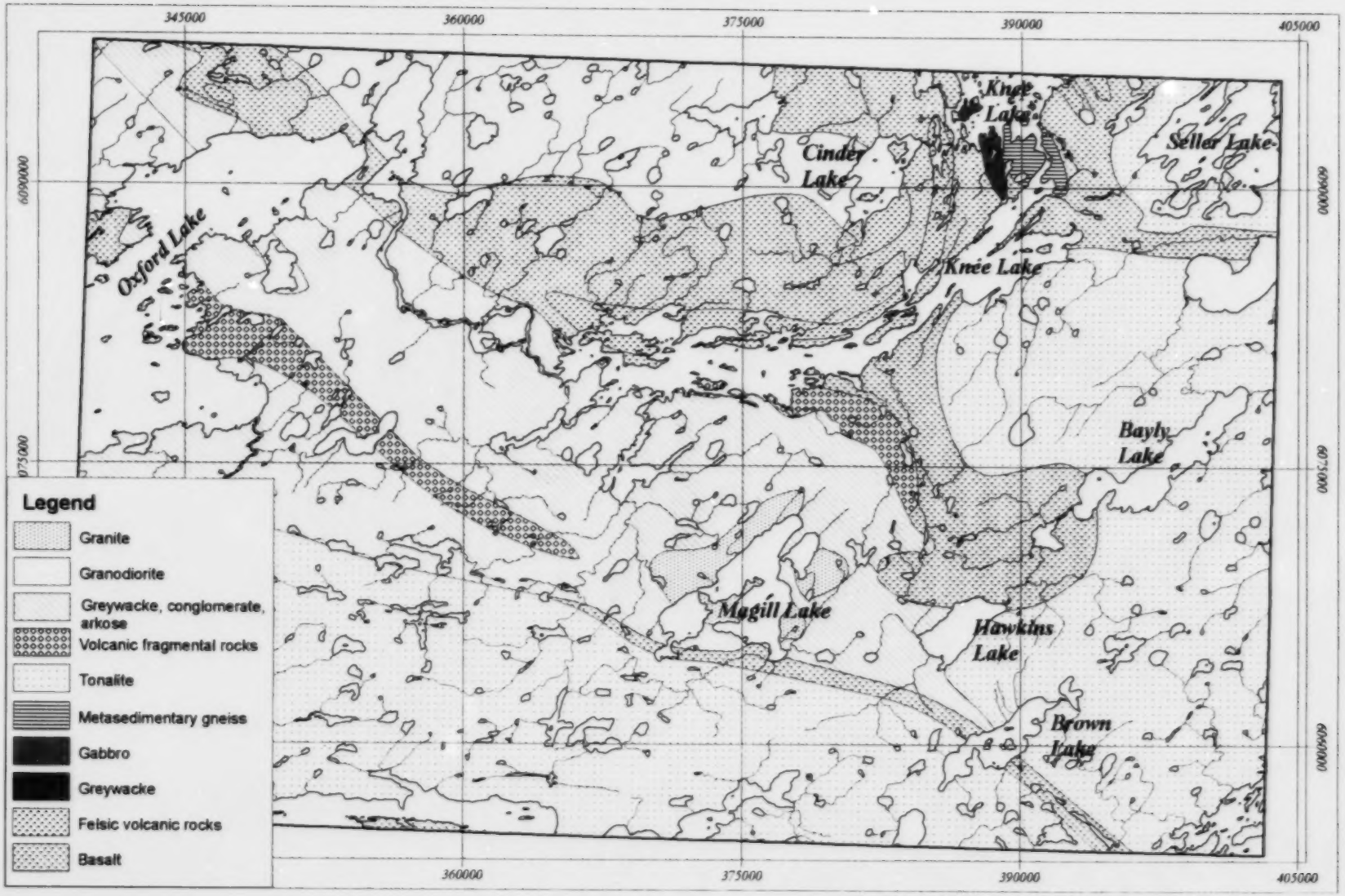


Figure 2: Regional geology in the 1999 survey area.

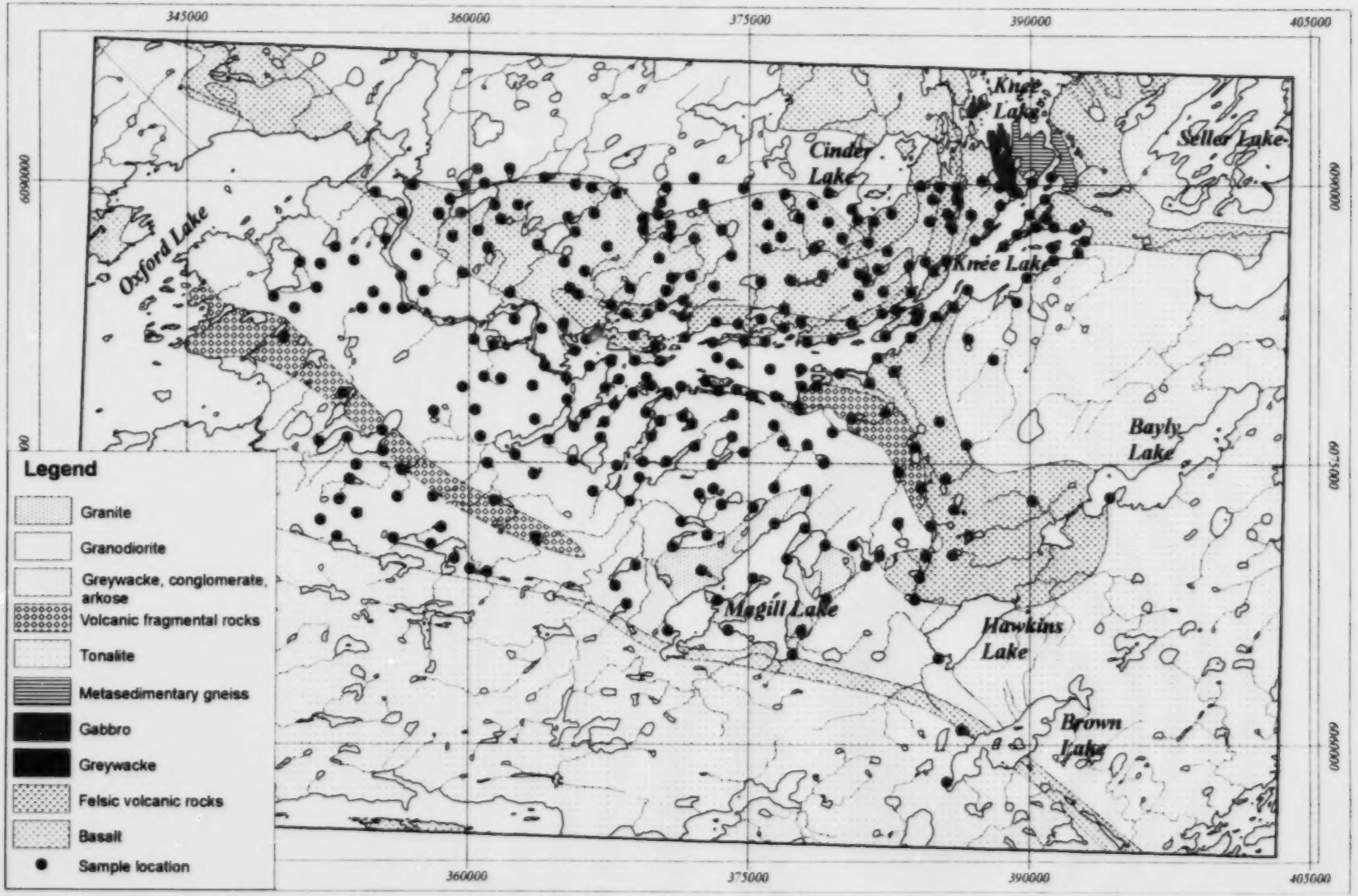


Figure 3a: Regional geology and multimedia sampling sites in the 1999 survey area.

geological mapping in the Knee Lake portion of the Superior Province and can be consulted for further details on the geology of the Knee Lake Belt, including individual unit descriptions. Additionally, work conducted prior to 1970 by Bruce (1919), Wright (1925, 1931), Springer (1946), Quinn (1955) and Barry (1959, 1964) provide a historical perspective and additional sources of information for this area.

Geological setting

Supracrustal rocks in the Oxford Lake–Knee Lake Belt have been assigned to two principal stratigraphic groups, the Hayes River Group and Oxford Lake Group (Gilbert, 1985). Both groups are interpreted to have potential to host gold and base metal deposits.

The Hayes River Group is a predominantly volcanic sequence dominated by pillowed basalt and related gabbro, minor intermediate to felsic volcanic rocks and minor volcanogenic sedimentary rocks. Hubregtse (1976) described the volcanic rocks at Knee Lake in terms of five volcanic cycles, each comprising a lower, tholeiitic basalt section and an upper, calc-alkalic, intermediate to felsic portion locally containing sedimentary rocks and iron formation. The Hayes River Group section in the Knee Lake area is estimated to be 9.7 km thick (Gilbert, 1985); neither the base nor top is exposed. It represents the upper portion of the Hayes River Group, the lower portion being that exposed on Oxford Lake (Manitoba Energy and Mines, 1987). The base of the Hayes River Group has been intruded by tonalitic to granitic plutons and related gneisses of the Bayly Lake Complex.

The Oxford Lake Group is a younger predominantly sedimentary succession that lies unconformably on Hayes River Group volcanic rocks at Gods Lake (Gilbert, 1985). It consists of a lower, dominantly 'volcanic' subgroup of limited extent, overlain by more extensive sedimentary rocks extending 40 km from Oxford Lake to Magill Lake in a 12 km wide belt (Gilbert, 1985; Manitoba Energy and Mines, 1987). Volcanic rocks in the lower subgroup are shoshonitic to calc-alkalic in character (Hubregtse, 1976; Brooks et al., 1982; Gilbert, 1985) and include fragmental and flow rocks. Syme et al. (1998) interpret the fragmental rocks to be epiclastic (conglomerates) rather than volcanogenic (reworked pyroclastic rocks; Gilbert, 1985). Stratigraphic relations within the Oxford Lake Group suggest that the sedimentary rocks were deposited in shallow- to deep water basinal environments (Manitoba Energy and Mines, 1987).

Structure

Preliminary structural analysis of the Knee Lake greenstone belt suggests that it has been affected by multiple generations of folding (Gilbert, 1985). The earliest folds recognized (F_1) are very tight to isoclinal with a locally developed axial planar cleavage (S_1). They are overprinted by F_2 folds that are also very tight to isoclinal but have a generally well developed axial planar cleavage (S_2). The S_2 is locally refolded by open F_3 folds. Very tight to isoclinal folds (F_1 or F_2) are also recognized at the mesoscopic scale, in many parts of the Knee Lake Belt, based on younging direction reversal, fold asymmetry change and repetition of lithological units. At several localities, clasts in the conglomerate of the Oxford Lake Group contain a pre-depositional foliation, indicating that rocks of the Hayes River Group had probably been deformed before deposition of the Oxford Lake Group. It is interesting and yet to be explained that, although deformation in the Hayes River Group is mainly concentrated in localized shear zones and many parts of the group are only very weakly deformed, rocks of the Oxford Lake Group are generally very strongly deformed.

Major west-northwest and northeast-trending faults and shear zones occur in southern Knee Lake (Lin et al., 1998). Rocks in these faults and shear zones are intensely deformed with well developed, steeply plunging stretching lineations.

The contact between the Hayes River Group and the Oxford Lake Group is defined by west-northwest-trending structures. Northeast-trending faults crosscut the Hayes River Group and Opischikona Narrows sedimentary rocks, resulting in a fault-bounded panel of sedimentary rocks extending through the centre of southern Knee

Lake. The ages of the west-northwest and northeast-trending faults and shear zones has not been precisely established although age dating of the 'volcanic' subgroup of the Oxford Lake Group and Opischikona Narrows sedimentary rocks is proceeding. Granodiorite dykes in amphibolite east of Opusinapis Point contain laminated mafic tectonite xenoliths, indicating that at least some deformation predates emplacement of voluminous granitoid plutons of the Bayly Lake Complex.

Lin et al. (1998) describe a zone of strong deformation that occurs in the southern portion of the Oxford Lake-Knee Lake greenstone belt. This zone, referred to as the Southern Knee Lake Shear Zone (SKSZ), strikes east-southeast, has an indicated dextral shear sense and is characterized as a dextral transpressional zone of shear. Transpressional shear zones are significant in terms of gold mineralization as evidenced by the Kirkland Lake–Larder Lake–Cadillac Break (Robert, 1989; Robin and Cruden, 1994).

Metamorphism

Two distinct metamorphic zones are observed within the supracrustal assemblages in the southern Knee Lake greenstone belt. Lower to middle greenschist facies metamorphic mineral assemblages characterize the Hayes River Group and 'volcanic' subgroup of the Oxford Lake Group throughout the area. An exception occurs to the east of the northeast-trending fault through Omusinapis Point, where Hayes River Group basalts contain amphibolite facies mineral assemblages. Rocks crosscut by the Seller Lake shear zone also contain amphibolite facies mineral assemblages. These rocks are abruptly truncated at a northeast-trending fault zone across which there is a change to greenschist grade. A second major break occurs between the 'volcanic' subgroup and the 'sedimentary' subgroup of the Oxford Lake Group on the south side of Knee Lake. The change from greenschist to amphibolite grade is abrupt; however, there is a stepwise increase in metamorphic grade, recrystallization and regional deformation to the south. Each increase appears to be controlled by faults. In the fluvial greywacke sequence primary features are well preserved. Garnet occurs in mafic interbeds within iron formation to the south in the marine sedimentary rocks.

Mineral deposits

To date, economic deposits of base and/or precious metals have not been discovered in the southern portion of the Knee Lake Belt. A compilation of known occurrences is available in Gale et al. (1980). This database is currently being updated. Southard (1977) also describes mineralization and reviews exploration history for the Knee Lake area. The western end of Knee Lake is characterized by abundant iron oxide gossans that have attracted the attention of prospectors since the early 1900s. Diamond drilling in the vicinity of these gossans invariably intersected pyrite, pyrrhotite and very minor chalcopyrite. Typical of these intersections is a 16m thick near-solid to solid pyrite and pyrrhotite layer that occurs at or near the contact between rhyolite and andesite. This work was undertaken by Selco Exploration Company Limited on claim block 1698 (NTS 53L/14). Gold mineralization was discovered at the west end of Knee Lake in a 20 m wide shear zone of sericite-carbonate schist and graphite schist. Within this shear zone are quartz lenses containing visible gold; pyritized wallrocks adjacent to the quartz lenses contained low gold values (Southard, 1977). An occurrence of cross fiber asbestos occurs in a concentrically zoned ultramafic intrusion in Pain Killer Bay in the southern Knee Lake Belt. The sheared and fractured intrusion is cored by fine-grained serpentinite with an intermediate zone of medium-grained serpentinized peridotite-pyroxenite and an outer zone of fine-grained serpentinite. Cross fiber asbestos and picrolite-magnetite veinlets are common near the outer margins of the intrusion (Scoates, 1971).

Despite the absence of production from base metal deposits the subaqueous volcanic stratigraphy of the Hayes River Group are interpreted as having potential to contain volcanogenic massive sulphide-type deposits (VMS; Gale et al., 1980). These volcanic rocks include tholeiitic basalts as well as calc-alkaline intermediate to felsic flows and volcaniclastic rocks (Hubregtse, 1976). This suggests that at least part of the Hayes River Group was emplaced

in an arc environment. Specific factors suggesting VMS potential include the presence of a large, proximal felsic volcanic complex (Pain Killer Bay), presence of coarse felsic volcaniclastic rocks, and identification of altered basalts. Hayes River Group basalts are unusually pale weathering throughout most of the Knee Lake area. This low-grade pervasive alteration locally intensifies such that the basalts weather white, are very light grey on fresh surfaces, and primary structures are obliterated. The alteration is manifest as an epidote/clinozoisite-albite-quartz rock, with patchy rust gossans locally developed in the most intensely altered rocks in the Pain Killer Bay area. Chemical analyses of the altered and less-altered rocks are pending.

Gale et al. (1980), in a study of massive sulphide depositional environments in the Knee Lake Belt, recognized litho-domain units with high potential to contain massive sulphide-type deposits (cf. Gale et al., 1980, Map ER79-1-8). The highest potential areas are based upon the presence of favourable geology and/or presence of known massive sulphide-type deposits ('Type 1'). Significant potential is also indicated by favourable geology but without documented evidence of massive sulphide mineralization ('Type 2'). Examples of drill-indicated massive sulphide lenses with known alteration zones and/or stringer sulphide mineralization in Type 1 areas of the southern Knee Lake Belt are described in Gale et al. (1980).

A gold occurrence marked by minor gossan with disseminated pyrite occurs in gabbro and deformed gabbro on the north side of the shear zone that separates the Hayes River and Oxford Lake groups at the west end of Knee Lake (SKSZ). The regional association of gold with gabbro and sheared gabbro is significant (e.g. at the Westmin-Tanqueray deposits on Little Stull Lake and on the north side of Noranda's Twin Lakes deposits). However, a variety of rock types are associated with gold throughout the region (Richardson and Ostry, 1996; Lin, 1998): greywacke and iron formation in pillowed basalt at Gods Lake gold mine; felsic volcanic rocks and polymictic conglomerate at the Twin Lakes Seeber River deposits; and mafic volcanic rocks at their contact with tonalite to granodiorite in the Henderson Island gold deposit. The significant characteristic common to these deposits and showings is major alteration zones in association with late ductile-brittle deformation zones (Lin, 1998). The complex series of younger shear zones is interpreted to represent part of a regionally extensive anastomosing network of long-lived deformation zones. Significant gold occurrences or deposits have been reported in the west Oxford Lake–Carrot River area, in association with extensions of the Knee Lake shear zones to the west and to the east in Gods Lake and Little Stull Lake areas.

QUATERNARY GEOLOGY OF THE 1999 SURVEY AREA

Introduction

Till samples for geochemical and kimberlite indicator mineral analyses were collected in the southern Knee Lake area as part of the continuing multimedia geochemical survey program in the northern Superior Province. As in previous years, striae directions, drumlin orientations, observations on sediment texture and composition and data on the local geomorphology of relevance to the interpretation of the geochemistry and kimberlite indicator mineral distribution were collected during the field program.

Stratigraphy

The Quaternary stratigraphy in the southern Knee Lake area, as revealed in hand-dug pits, consists of a single till sheet blanketed by glaciolacustrine silt and clay and a variety of organic wetland deposits. The wetlands and the extensive glaciolacustrine sediments that underlie the wetlands and blanket many of the low hills are an impediment to till sampling from hand-dug holes. Wetlands are particularly extensive in the area northwest of Bayly Lake and northeast of Magill Lake.

Till is widespread and occurs as a relatively thin discontinuous blanket between bedrock hills throughout most of the area. In addition to the ubiquitous till sheet, drumlins or drumlinoid ridges are widespread in the western part of the area, especially in the region

north and south of the Hayes River immediately east of Oxford House. The till sheet and the majority of the drumlins are composed of highly calcareous beige to gray, fine textured, allochthonous till derived in large part from the Hudson Bay Lowland. The till is similar to that described from other parts of the northern Superior Province by Fedikow et al. (1999). The total carbonate content of the silt plus clay fraction is relatively uniform across the area with a mean of 40%. The single most noticeable difference between the drumlin and non-drumlin terrain is the till thickness. The till in drumlins is generally thicker, and bedrock outcrops fewer, than in areas where there are no drumlins. Many but not all drumlins, east of Oxford House are composed almost exclusively of sand and gravel and, in places, poorly sorted diamicton. Extensive exposures formed as the result of aggregate extraction at sites 217, 223, 225 and elsewhere, clearly indicate a glaciofluvial origin for these features.

Several eskers cross the area from the northeast towards the southwest. The largest and most prominent is the esker at the western end of Bayly Lake which trends southwest towards Hawkins Lake and south of Magill Lake. Till is not generally found within one kilometre of the esker flanks either because it was not deposited in these areas or possibly because it was not preserved due to glaciofluvial activity. Areas adjacent to eskers are characterized by glaciolacustrine silt and clay directly overlying the bedrock and, for this reason were generally not sampled.

Ice flow direction

Striae measured at 23 locations indicate the main ice flow across the area was towards 230°. A single striation measurement towards 116° at site 281 indicates that the ice flow movements affected the area, but the age of this striation relative to the main flow could not be determined.

The mean striae direction towards 230° is coincident with the orientation of drumlins and drumlinoid ridges and eskers across the area.

ACKNOWLEDGMENTS

Rob Wood and Dan O'Donnell, Provincial Helicopters Limited (Lac du Bonnet), are acknowledged for their considerable skills in safely accessing sample sites for the 1999 season. Considerable logistical support was provided by the staff of the Knee Lake Lodge, specifically Bill Page, and was greatly appreciated. Jay Prichodko and Jeff Gutsell are thanked for their enthusiastic support during the 1999 sampling season. Harvey Thorleifson, Terrain Sciences, Geological Survey of Canada is thanked for providing guidance with kimberlite mineral identification. Neill Brandson is thanked for logistical support during the field component of the project. Acknowledgements also go to Doug Berk, Rich Unruh, Gerry Benger, Vio Varga, Jay Prichodko and Jeff Gutsell for careful sample preparation and Don Snuggs for his analytical expertise and care with pH and conductivity measurements. We are grateful to Tim Corkery and Ric Syme for discussions relating to geological observations in the sampling areas. Ifti Hosain provided valuable insights into the geophysical surveys conducted in the greenstone belts. Al Bailes and Ric Syme are thanked for their constructive criticism and technical review of the manuscript. Kelly Proutt is thanked for her typing skills and general assistance with construction of the report.

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ROCK GEOCHEMICAL SURVEY

Sample collection, preparation and analysis

Outcrop rock chip samples were collected from the Knee Lake greenstone belt after moss mats and soil were removed from the outcrop. A representative sample consisted of 3-4 fist-sized chips. These chips were jaw crushed to maximum 5 mm fragments and powdered in a tungsten carbide swing mill. The powders were homogenized by rolling and then split and placed into vials each weighing approximately 55 grams. Vials were then submitted for INA and ICP-AES analyses at Activation Laboratories Ltd. The ICP-AES analyses are based upon a four acid total digestion. Hg was analyzed using a flow injection mercury system developed by Perkin-Elmer Ltd. Hydrogen ion (H^+) and specific conductance were analyzed in the Geological Survey of Canada laboratory. Descriptions of outcrop rock chip samples are given in Appendix R-1. Geochemical data is presented in Appendices R-2 (ICP-AES, H^+, *K* and Hg) and R-5 (INAA); geochemical data for sites where more than one sample was collected is presented in Appendices R-3 (ICP-AES, H^+, *K* and Hg) and R-6 (INAA). Percentile bubble plots are in Appendices R-4 (ICP-AES, H^+, *K* and Hg) and R-7 (INAA). Where more than one rock chip sample was collected from a site the sample with the highest analysis of a particular element was plotted.

Format

Rock geochemical data is described and presented as a geochemical narrative for samples collected from the Knee Lake greenstone belt. This narrative relates the variation in concentration of individual elements to geological features such as rock types or structures. In a subsequent section entitled 'synthesis', a detailed discussion and summary of element variations integrating specific geophysical signatures, mineral deposits and geological characteristics is presented. Elements are grouped and discussed in turn according to their analytical technique. Accordingly, the descriptions proceed from Hg (FIMS) to INAA to ICP-AES and finally H^+ and specific conductance.

Results

Instrumental neutron activation (INA)

Au: Outcrops along the south shore of the Knee Lake Belt are marked by several high Au responses. A 100th percentile of 1150 ppb occurs at site 302 in a sample of rusty weathered basalt with 10-20% disseminated and veinlet pyrite, pyrrhotite and chalcopyrite. Two 99th percentile responses occur at site 203 (156 ppb) and site 128 (104 ppb). Site 128 is situated on a small outcrop island that may be submerged when water levels in the lake are high. The sample was collected from a rusty weathered layer in strongly foliated grey-green weathering basalt exposed on the south side of the island. The sample contained 1% disseminated pyrite and 5% disseminated arsenopyrite. A second high gold response of 277 ppb (100th percentile; site 281) occurs at or near the contact between greywacke and granite of the Magill Lake intrusion. Two 98th percentile responses of 41 and 82 ppb occur at site 312 on Long Island in the west end of the lake and a third (59 ppb) occurs at site 20 where a sericitic-pyritic quartz porphyry is exposed.

As: Exceptional As concentrations are documented from outcrop exposed along the south shore of the west end of Knee Lake. These include: a 100th percentile response of 8970 ppm (site 128; grey-green and rusty weathering basalt; 104 ppb Au), a 99th percentile of 1290 ppm (site 295; strongly silicified, fine-grained grey weathering siltstone with disseminated pyrite, arsenopyrite, molybdenite and/or galena) and a 98th percentile of 273 ppm (site 213; rusty weathering chlorite-garnet-quartz silicate facies iron formation with 2-5% disseminated and veinlet pyrite). At site 20 (59 ppb Au), a beige weathering sericitic quartz porphyry with 1% very fine-grained pyrite is marked by a 98th percentile of 657 ppm. Site 281 (altered intermediate and mafic sedimentary rocks) at the east side of the Magill Lake intrusion is marked by 100th (1440 ppm) and 98th percentile (557 ppm) responses.

Ba: The highest Ba response in the Knee Lake Belt occurs at the southwest end of Cinder Lake (3200 ppm; 100th percentile; site 54) in

a grey-green weathering, sucrosic textured intermediate intrusion (?) with 2-3% disseminated pyrite +/- chalcopyrite. A second 100th percentile occurs at site 213 (1900 ppm; silicified garnetiferous greywacke with 5% disseminated pyrite). A 99th percentile of 1800 ppm occurs at site 26 in a sample of green-grey weathering, non-mineralized basalt. A 98th percentile of 1300 ppm (site 5) occurs at the west side of Brown Lake near the southeast tip of the belt. The lithology sampled at this site is a pink weathering, epidotized protomylonitic quartz monzonite with 1% disseminated euhedral pyrite.

Br: A cluster of a 100th (24.6 ppm), 98th (20.5 ppm) and 95th (9.7 ppm) percentile responses is documented from adjacent sites 260, 261 and 264 in sedimentary rocks near the southern margin of the belt. Single point anomalies are represented by a 100th percentile response at site 295 (23.9 ppm; strongly silicified, fine-grained, grey weathering siltstone (?) with finely disseminated pyrite, arsenopyrite, molybdenite and/or galena) on the south shore of west Knee Lake and from site 266 (99th percentile of 21.4 ppm in a rusty weathering, foliated and fractured massive feldspar porphyritic and pillow basalt).

Ca: High Ca responses occur at site 82 (100th percentile, 12%) in fine-grained, silicified, rusty and dark green weathering epidotized basalts, and in a dark grey weathering silicified greywacke (?) with 1-3% disseminated pyrite and pyrrhotite and 5% chalcopyrite and pyrrhotite veinlets at site 302 (100th percentile, 13%). It should be noted that a second sample collected at this site was a rusty weathering, strongly foliated basalt with 10-20% disseminated and veinlet pyrite, pyrrhotite and minor chalcopyrite.

Co: Anomalous Co responses were identified from three areally separated sample sites. The 100th percentiles of 132 ppm (site 21; fine-grained green weathering gabbro crosscut by fine carbonate fractures) and 117 ppm (site 302; silicified and mineralized biotite greywacke) occur in the east end and northeast portions of the southern end of south Knee Lake. A 99th percentile of 112 ppm (site 312) occurs in a sample collected from trenches on Long Island in the west end of the lake. Strongly foliated and altered basalt with near-solid laminae of pyrite were sampled at this locality.

Cr: Two sites in the northeast corner of the area sampled in 1999 are marked by very high Cr contents. These responses are 100th percentiles and were documented from sites 21 (2700 ppm) and 30 (2280 ppm). Site 21 is characterized by fine-grained gabbro with less than 5% pyrite (also high Co) and site 30 by a light green and strongly rusty weathering gabbro that is crosscut by carbonate-filled fractures and non-mineralized quartz veins of multiple orientations. Site 297 is marked by a 99th percentile response of 1230 ppm.

Cs: Two sites with anomalous Cs contents occur on the south shore of the west end of Knee Lake in marine sedimentary rocks. Site 128 (100th percentile; 131 ppm) is characterized by rusty weathering basalt with disseminated pyrite (1%) and arsenopyrite (5%) and is anomalous in Au and As. Site 295 (100th percentile; 125 ppm). A 99th percentile response of 81 ppm occurs southwest of site 295 at site 259. Two 98th percentile responses occur at adjacent sites 54 (14 ppm) and 58 (12 ppm) southwest of Cinder Lake and at or near the contact between supracrustal rocks and granodiorite. A third 98th percentile (site 241, 62 ppm; rusty weathering, nonmineralized greywacke) is documented near the west side of the Magill Lake intrusion.

Fe: The 100th percentile responses for Fe at sites 294 (30%) and 312 (30.3%) represent near solid pyrite with white quartz veins and solid pyrite, respectively. Site 295 (adjacent to site 294) is marked by a 99th percentile of 25.1% Fe. A 98th percentile occurs on the east side of the Magill Lake intrusion and two adjacent 98th percentile responses are recorded from sites 301 and 302 near the east end of southern Knee Lake.

Hf: Three moderate to low contrast Hf responses (4-8 ppm) representing 98th-100th percentiles are observed at three widely separated sites. The 100th percentiles of 12 ppm (site 48; grey

weathering, deformed skarn float? with 5% pyrite) and 8 ppm (site 54; grey-green weathering, sucrosic textured intermediate intrusion?) occur southwest of Cinder Lake and in the east end of south Knee Lake, respectively. The third high Hf response occurs at site 213 (5 ppm; strongly foliated and silicified garnetiferous greywacke with 5% disseminated greywacke) in the southwest corner of Knee Lake.

Mo: Mo values in rock chip samples from the 1999 sampling area are moderate to low with the higher concentrations documented east of Cinder Lake. In this area a 100th percentile response occurs at site 30 (13 ppm) in a light green and rusty weathering basalt crosscut by rusty weathering carbonate veinlets and quartz veins. A 99th percentile of 9 ppm occurs at site 13 in a sample of gabbro that contains 1% disseminated pyrite.

Na: Areally extensive zones of significant Na depletion were not detected in the 1999 survey area. The 100th percentile response at site 5 (6.33%) is from a gneissose and chloritic green-pink weathering epidotized tonalite at Brown Lake. The 100th percentile responses of 5.44% at site 295 and the 99th percentile response of 5.31% (site 297) are attributed to strongly silicified, fine-grained, grey weathering siltstone with finely disseminated pyrite, arsenopyrite, molybdenite and/or galena and pyroxenite, respectively.

Ni: Elevated Ni responses occur at site 21 (100th percentile, 1120 ppm) in gabbro and at site 302 (100th percentile, 1640 ppm) in silicified biotite greywacke with 1-3% disseminated pyrite and pyrrhotite as well as 5% veinlet chalcopyrite and pyrrhotite (mobilisate?). A 99th percentile of 919 ppm occurs at site 297 in olive green weathering ultramafic sedimentary rock. Two 98th percentile responses of 442 and 405 ppm occur at sites 303 (fine-grained ultramafic sedimentary rock) and 304 (greywacke), respectively.

Rb: In the Magill Lake intrusion three significant Rb responses are noted and are interpreted to reflect the granite-granodiorite lithology at these sites. Site 241 is marked by a 100th percentile (396 ppm) response and at site 268 a 99th percentile of 320 ppm is documented. The third high Rb analysis comes from a sample collected at site 269 that contained 195 ppm (98th percentile). A single point anomaly occurs at site 48 (393 ppm) in a grey, strongly foliated and altered skarn float (?).

Sb: The distribution of elevated Sb in the Knee Lake Belt occurs in the central and west ends of the belt. Sites 294 (11.2 ppm, near solid pyrite with white, nonmineralized quartz veins) and 312 (12.3 ppm, solid pyrite) represent 100th percentile responses in the central area of the west end of the belt. At sites 78 and 128, 98th percentiles of 5.2 and 4.8 ppm, respectively are documented. The rock chip sample of rusty weathering basalt collected from site 128 is also anomalous in Au and As. A single 99th percentile (10.4 ppm) occurs at site 230 east of the southeast end of Oxford Lake.

Sc: The 100th percentile Sc responses occur at sites 63 and 266. The sample at site 63 contained 70 ppm from a medium-grained, dark green and rusty weathering silicified gabbro with 2-3% disseminated pyrite and chalcopyrite. The sample at site 266 is a rusty weathered foliated and fractured massive feldspar porphyritic and pillow basalt with 54 ppm Sc.

Sr: A 100th percentile Sr response is observed at site 54 (0.32%) in a sample of a grey-green weathering, sucrosic textured and strongly foliated intermediate intrusion with 1-3% disseminated pyrite and chalcopyrite. A second 100th percentile occurs at site 298 (0.15%) on the south shore of west Knee Lake. A single 99th percentile is documented from site 48 (0.14%) in a float sample that is a pink carbonate-tourmaline-quartz-muscovite rock with 3-5% disseminated chalcopyrite.

Ta: Low contrast Ta responses are apparent from the Knee Lake rock geochemical survey with 100th percentiles of 62.7 ppm at site 295 and 30.7 ppm at site 259. The lithology sampled at site 295 is a strongly silicified, fine-grained, grey weathering siltstone with finely disseminated pyrite, arsenopyrite, molybdenite and/or galena. Site 259 is characyterized by a rusty weathering strongly foliated garnet-

biotite greywacke with 1-5% disseminated pyrite. A 99th percentile of 3 ppm occurs in a sample of coarse-grained Magill Lake granite at site 268.

Th: Two sites of elevated Th are documented from the southern portion of the Knee Lake Belt with 100th percentile responses of 20.1 ppm at site 311 (dark grey to black weathering very fine-grained cherty siltstone) and 28.6 ppm at site 269 (white to grey weathering Magill Lake pegmatitic granite). A 99th percentile of 18.2 ppm occurs at site 54 in a grey-green rusty weathering sucrosic textured and strongly foliated intermediate intrusion. This rock contains 1-3% disseminated pyrite and chalcopyrite.

U: The U responses in the 1999 survey area are greatest from sites 268 and 269 where the lithology sampled was a coarse grained to pegmatitic granite at Magill Lake. The responses were 9.9 and 17.4 ppm, respectively. Most other sites gave low responses with a 99th percentile of 9.8 ppm in a fine-grained intermediate intrusion at site 54.

W: Three anomalously high W responses were documented from sites 203, 259 and 281. The responses at sites 203 (120 ppm) and 259 (44 ppm) occur in strongly foliated and rusty weathering greywacke with 5% disseminated pyrite at both sites. The 99th percentile (site 281) of 37 ppm occurs in a rusty weathering hornblende-garnet-biotite-quartz altered sedimentary rock with 1-5% disseminated and veinlet pyrite with rare stubby arsenopyrite grains. This lithology is close to the contact with the Magill Lake intrusion.

Zn: The 100th percentile responses for Zn occur at sites 288 (212 ppm) and 57 (296 ppm). Site 288 occurs in the southeast survey area east of the north end of Magill Lake and site 57 is near the south end of Cinder Lake. The rock chip sample from site 288 is a strongly foliated biotite-greywacke with 1% disseminated pyrite and thin, monomineralic pyrite laminae. Site 57 is marked by green and rusty weathering pillow basalt and pillow breccia with 5% disseminated and veinlet pyrite and lesser chalcopyrite in pillow and breccia interstices.

TREE: The rare earth element response is presented as the "total" or summation of individual REE for purposes of simplicity and brevity in this report. Individual REE analyses are presented in the Appendices. There are three areas of high TREE responses in the survey area. Two 100th percentiles are located at sites 45 (440 ppm) and 54 (462 ppm) with a 99th percentile response of 372 ppm. The site 54 response is from a fine-grained, green-grey weathering sucrosic textured intermediate intrusion with 1-3% disseminated pyrite and chalcopyrite located near the south end of Cinder Lake. Site 45 is characterized by a light green weathering, strongly foliated, nonmineralized basalt that is crosscut by fine caicite veinlets whereas the host rocks at site 311 are dark grey weathering, cherty, non-mineralized siltstone.

Inductively coupled plasma-atomic emission spectrometry (ICP-AES)

Mo: Mo anomalies are present in three separate areas in the southern Knee Lake Belt. Two of these responses occur east of Cinder Lake. A cluster of five sites with 100th to 90th percentile responses define a linear zone that parallels the general trend of the lake in this area. A layer of felsic volcanic rocks in the area immediately east of Cinder Lake is marked by 99th and 95th percentile responses (9-13 ppm). A single 100th percentile response (29 ppm) occurs at site 259.

Cu: The southern Knee Lake area is characterised by widely spaced single site 100th percentile responses at sites 36 and 70 (1178 ppm and 1806 ppm, respectively) and a 99th percentile of 534 ppm at site 63. A three site cluster (sites 128, 202 and 251) of 98th percentile responses occurs along the Southern Knee Lake Shear Zone (SKSZ) with Cu values between 249 and 482 ppm.

Ag: Ag values in the southern half of the belt are low. The 100th percentile responses occur at sites 202 (1.7 ppm) and 312 (1.8 ppm)

with a single site 99th percentile at site 70 (1.2 ppm). The highest responses occur along the SKSZ on the south shore of the lake (site 202, 1.7 ppm) and in strongly foliated basalt with near solid iron sulphide laminae on Long Island (site 312).

Pb: Low contrast Pb responses are clustered along the south shore of southern Knee Lake in association with strongly foliated rocks within the SKSZ (8-35 ppm, 100th-90th percentiles) and from one site on Long Island (site 312, 19 ppm). The sample from site 312 is a strongly foliated and altered basalt with near solid pyrite-pyrrhotite laminae. Site 54 at the southwest end of Cinder Lake (100th percentile of 38 ppm) is marked by a fine-grained pink intrusion (?) with disseminated pyrite.

Ni: The 100th percentile responses in the southern Knee Lake Belt appear to be spatially associated with outcrop sampled at the southern and northern lake shore in the eastern part of the survey area. This includes 795, 731 and 1372 ppm at sites 21, 297 and 302, respectively. Lithologies at these sites include green weathering, fine-grained gabbro (site 21), olive green weathering, fine-grained ultramafic sedimentary rock (site 297) and rusty weathering, silicified and strongly foliated basalt with 10-20% disseminated and veinlet pyrite, pyrrhotite and chalcopyrite.

Mn: Significant Mn responses in the southern Knee Lake Belt are clustered in the eastern portion of the area sampled in 1999. A group of 100th to 90th percentiles form a north-northeast-trending response that parallels local drainage patterns and has an approximate 10 km strike length. This geochemical feature may represent a shear zone. A three site (15, 17 and 51) cluster defines an anomaly (850-2900 ppm) centered on a band of felsic volcanic rocks east of Cinder Lake.

Sr: Significant Sr responses in the Knee Lake Belt are limited to a single sample 100th percentile of 2315 ppm at site 54 at the southwest end of Cinder Lake in a fine-grained to sucrosic textured felsic intrusion and to adjacent sites 48 (100th percentile; 1119 ppm) and 301 (99th percentile; 539 ppm) on the south shore of the lake.

Be: Low contents of Be were documented in most samples collected within the 1999 survey area with the exception of sites 52 and 54 at the southwest end of Cinder Lake (100th and 98th percentiles; 1 and 8 ppm, respectively) and single site anomalous responses at site 259 (100th percentile; 7ppm), site 295 (99th percentile; 3 ppm) and at site 281 (98th percentile; 1 ppm). All other Be analyses throughout the 1999 survey area are less than the lower limit of detection.

Bi: Bi responses in outcrop chip samples are below the limits of detection (10 ppm) for all samples collected in 1999.

V: Vanadium responses west of Cinder Lake form a multisite north-northeast-trending geochemical linear consisting of 100th-90th percentiles (262-96 ppm). This feature parallels local drainage patterns and correlates to patterns observed for Ca and Al. A 100th percentile response of 237 ppm (site 51) occurs east of Cinder Lake from a linear belt of felsic volcanic rocks.

Ca: Significant anomalous Ca responses are confined to two areas in the 1999 survey. The first is a north-northeast-trending linear feature of 90-100th percentile responses (2.6-8.15% Ca) situated near the east end of the survey area. This feature parallels local drainage patterns and mimics Mn and Al trends. A second multiple site anomaly occurs in association with a band of felsic volcanic rocks east of Cinder Lake. The elevated Ca within the north-northeast linear may reflect carbonate alteration accompanying a shear zone.

Zn: Two areas of relatively low contrast Zn responses are noted from the 1999 survey area. These include two 100th percentile responses at sites 54 (127 ppm) and 57 (127 ppm) at the southwest end of Cinder Lake and a single site 99th percentile response of 110

ppm at site 72. The lithologies at sites 54 and 57 include a mineralized fine-grained pink, felsic intrusion (?) and a sequence of rusty weathered and mineralized basaltic pillows and pillow breccias, respectively.

Cd: A cluster of 100th, 99th and 98th percentile responses in the southern Knee Lake Belt occurs at sites 10 (1.3 ppm), 11 (1.3 ppm) and 301 (1.1 ppm) near the eastern end of southern Knee Lake. A second 100th percentile occurs at site 128 within the SKSZ.

P: Phosphorus responses in the southern Knee Lake Belt tend to be scattered without particular focus with the exception of outcrop rock chips collected from the SKSZ. A string of 90th-95th percentile responses mark the south shore of the lake; three 100th percentile responses are documented from widely spaced sites 54 (1857 ppm), 63 (4139 ppm) and 213 (2326 ppm). Lithologies at these sites include a fine-grained felsic intrusion with disseminated pyrite at site 54 , a rusty weathering, silicified melagabbro with 2-3% disseminated pyrite and chalcopyrite at site 63, and a silicified greywacke with 5% disseminated pyrite at site 213.

Mg: A pattern of regional Mg enrichment is recognized in the basaltic rock dominated northern half of the 1999 survey area. In particular elevated Mg occurs in samples collected from a band of felsic volcanic rocks that extends from east of Cinder Lake south to the shore of Knee Lake. Within this unit, gabbro sampled from sites 14 (98th percentile; 3.24%) and 21 (100th percentile; 12.2%) are notable. High Mg contents are documented from samples of pyroxenite at site 297 (100th percentile; 6.81%) and a fine-grained, rusty weathering siltstone (?) at site 292 (99th percentile; 5.59%).

Ti: Ti contents for samples collected from the north half of the 1999 sampling area are predictably higher than for samples collected from the south half of the area. This reflects the predominantly basaltic volcanic rock-dominated northern half of the belt. A linear, north-northeast-trending response for elevated Ti is noted from an area just west of Cinder Lake extending south to the Knee Lake shoreline. This trend generally parallels local drainage patterns and corresponds to similar patterns noted for Ca, Al, Mn and Sc.

Al: Elevated Al (100th–90th percentiles) in the east end of the 1999 survey area delineate a north-northeast-trending zone of elevated Al. This feature parallels local drainage; a similar geochemical feature is documented for Ca, V, Y, and Mn. An isolated single sample 100th percentile occurs at site 104 (3.95%). Moderate to low contrast Al responses are noted from the area of a linear band of felsic volcanic rocks east of Cinder Lake. Elevated Al in rocks may be reflecting the development of hydrated phyllosilicate mineral assemblages that reflect local alteration developed along structures and/or within the alteration halo of mineralizing systems.

K: Significant K enrichment in the southern Knee Lake Belt is present in outcrop in the SKSZ with a 100th percentile of 2.6% at site 292 (fine-grained, rusty weathered siltstone?). Elevated K is noted at site 227 (100th percentile; 2.64%) in foliated biotite greywacke and at site 141 (99th percentile; 2.35%) in rusty weathering, strongly foliated basalt with quartz-carbonate veinlets.

Y: The Y responses from the 1999 survey area define a linear, north-northeast-trending geochemical anomaly that extends from the west end of Cinder Lake to the shore of Knee Lake for a distance of approximately 10 km. The 100th percentile response within this feature is observed at site 48 (altered and mineralized intermediate sedimentary (?) rock, 44 ppm). A 99th percentile occurs at site 54 (fine-grained, pink intrusion (?), 20 ppm). A second 99th percentile occurs at site 63 (rusty weathered silicified melagabbro, 20 ppm) west of the linear Cinder Lake trend.

S: Moderate to low contrast responses were observed for most rock samples collected in 1999 with exception of a 100th percentile response at site 312 from a sample of altered basalt containing near solid pyrite-pyrrhotite laminae and from site 294, a near solid pyrite

sample crosscut by non-mineralized quartz veins. Generally high responses are noted from samples collected from within the SKSZ along the southern shore of Knee Lake.

As: Significant high contrast As concentrations were noted along the SKSZ at sites 128 (100th percentile; 16580 ppm), 295 (99th percentile; 1530 ppm) and 213 (98th percentile; 329 ppm). A second 100th occurs at site 281 on the east side of the Magill Lake intrusion (1704 ppm) in an altered greywacke with 5% disseminated pyrite and rare arsenopyrite. A 98th percentile (292 ppm; site 312) is documented from near solid pyrite-pyrrhotite laminae in strongly foliated and altered basalt on Long Island.

Ba: A cluster of 95th-100th percentile responses are documented from the south shore of Knee Lake in the 1999 survey area. Within this zone site 297 contains 930 ppm Ba in pyroxenite. A 100th percentile of 1087 ppm occurs west of the west end of Knee Lake in rusty weathering foliated basalt with quartz-carbonate veinlets at site 141. Elsewhere in the southern portion of the belt Ca responses are generally within the 25th percentile.

Co: A regional pattern of Co enrichment is noted for the 1999 survey area. The north and eastern portion of southern Knee Lake is marked by elevated Co in association with felsic rocks southwest and east of Cinder Lake and along the shoreline of Knee Lake at sites 297 (98th percentile; 47 ppm), site 302 (100th percentile; 95 ppm) and at site 312 (99th percentile; 93 ppm). Some similarities in the distribution of elevated Co are noted to the north-northeast-trending Al, Ca, Y, V and Mn anomalies.

Cr: A distribution similar to that of Co is noted for Cr. The highest Cr values are noted from the north and eastern portion of the 1999 survey area in the area of predominantly basaltic volcanic rocks. South of the lake, the lower Cr concentrations reflect the sedimentary sequences of greywacke, conglomerate and arkose. A zone of higher Cr appears to follow the northeast trend of the southeastern portion of Knee Lake.

Fe: Elevated Fe contents are noted in the basaltic rock-dominated portion of the 1999 survey area and in particular with a band of felsic volcanic rocks that extends from east of Cinder Lake to the west end of Knee Lake. Predictable Fe responses are obtained from a sample of altered basalt with near solid pyrite-pyrrhotite laminae at site 312 (100th percentile; 21.98%) and site 294 on the south shore of Knee Lake within the SKSZ (100th percentile; 19.47%).

Na: Notable patterns of elevated Na are documented from sites 54 and 150 (100th percentiles; 2.95 and 0.81%, respectively and from site 87 (99th percentile; 0.61%). Site 54 is characterized by a fine-grained to sucrosic textured felsic intrusion with disseminated pyrite. Higher Na responses are noted from the northern portion of the area sampled in 1999 where basaltic volcanic rocks predominate over greywacke and arkose in the southern survey area.

Sb: Antimony is elevated in the northern half of the 1999 survey area where basaltic volcanic rocks dominate over the sedimentary rock sequences. Responses tend to be scattered although 100th percentiles at sites 21 (33 ppm), 309 (28 ppm) and 312 (25 ppm) are very high.

Sc: A north-northeast-trending linear Sc anomaly is noted just west of the southwest end of Cinder Lake. This trend is marked by two 100th percentile (20 and 19 ppm from sites 7 and 58, respectively) and one 99th percentile (site 2, 18 ppm) responses. This trend parallels local drainage patterns and correlates with trends for Mn, Al, Y, V and Ca.

W: Scattered W responses are documented from the 1999 survey area. Two 100th percentile responses are noted from sites 281 (rusty weathering and mineralized greywacke, 39 ppm) and 203 (rusty weathering greywacke with 5% pyrite, 79 ppm). Site 203

occurs within the SKSZ; site 281 occurs at the eastern edge of the Magill Lake intrusion. Site 296 (foliated greywacke with non-mineralized white quartz veins, 33 ppm, 98th percentile) also occurs within the SKSZ.

Zr: Zirconium responses in the 1999 survey area are somewhat diffuse with 100th percentiles at sites 28 (rusty weathering, silicified pyritic and graphitic sedimentary rock, 41 ppm) and 131 (rusty weathering, fine-grained basalt with 1-2% disseminated pyrite and pyrrhotite, 34 ppm). A string of 95th and 90th percentile responses occurs along the south shore of Knee Lake within the SKSZ.

Flow injection mercury system (FIMS)

Hg: The highest Hg responses in the 1999 survey are centered on the outcrop sampled around the shoreline of southern Knee Lake. The 100th percentile response at site 312 is associated with an altered basalt with near solid pyrite-pyrrhotite laminae. A second 100th percentile response occurs at site 302 (1150 ppb Au) in a sample of strongly foliated, rusty weathering basalt with 20% disseminated and veinlet pyrite, pyrrhotite and chalcopyrite.

Hydrogen ion (H^+)

H^+: Hydrogen ion, the corrected form of pH, is significantly elevated at six sites in the belt. Two 100% percentile responses (143 and 101 ppb) occur at sites 213 and 312, respectively. A 99th and 98th percentile response occurs on the southwest shore of the southern end of Knee Lake. These values are from sites 203 (48 ppb) and 202 (35 ppb). A 98th percentile response occurs at site 302 (3 ppb).

Specific conductance *K* (water-extractable metal)

***K*:** The 100th percentile responses for specific conductance occur at sites 213 (111 micromhos) and 251 (107 micromhos) near the southwest end of the southern portion of the belt. Both sites are marked by altered and mineralized greywacke with <5% disseminated pyrite. A 99th percentile response occurs at site 297 (85 micromhos; rusty weathering gabbro with 2% pyrite). Outcrop along the south shore of Knee Lake exhibit a linear multisample 90-98th percentile response pattern that may be attributed to the presence of the SKSZ and associated hydrothermal alteration.

Synthesis

Significant rock geochemical flux in the 1999 rock geochemical survey area can be partly attributed to the presence of known mineralization and structural features defined by previous exploration and mapping projects. New areas of exploration interest are delineated on the basis of new rock geochemical data.

Two trends of geochemical anomalies occur east of Cinder Lake. The first is a linear, north-northwest trend that extends for approximately 10 km from the northern belt boundary south to the shore of Knee Lake. The trend is defined by high-low contrast, multisite responses for Ca, Al, Y, V, Sc, Be, Pb, Zn and Mn. This trend parallels local drainage patterns which are at a high angle to glacial striae in the area and may represent a fracture system. There is no magnetic signature based on examination of aeromagnetic surveys flown in the area. This trend is apparently truncated at the southwest edge of Cinder Lake in the vicinity of a fine-grained to sucrosic textured, non-foliated pink to grey felsic intrusion (site 54) that is interpreted to be a marginal phase of a REE-enriched syenite intrusion mapped in this area. Rock geochemical anomalies associated with this intrusion include Ba, Cs, Sr, Be, P, Y, Na and TREE. In as much as the diagnostic elements that define the 10 km trend are common to the intrusion at site 54, it is postulated that this 10 km geochemical signature is related to a structure along which the syenite was emplaced. Alternatively, the structure could be post-syenite emplacement and its geochemical signature is reflecting late residual fluid pulses or mobilisation along the fault. The second trend occurs east of Cinder Lake and is associated with a north-south-trending linear layer of felsic volcanic rocks. Outcrop chip samples collected in this area are marked by anomalous responses for Sb, Ag, Co, Mo, Cd, Mn and Al and reflect localized alteration and mineralization in these rocks. This is confirmed by diamond drill testing of ground EM conductors in this area that intersected 10 m of

massive sulphide-type mineralization (cf. Hosain, 1999; map OF97-13).

The structure of the southern portion of the Knee Lake greenstone belt is dominated by the SKSZ. This transpressional shear zone is marked by multiple base and precious metal geochemical anomalies as well as elements indicative of alteration; it represents a significant metallogenetic feature in the southern Knee Lake greenstone belt. Geochemical anomalies are recognized for Au, As, Sb, Ag, Cu, Pb, Cd, Co, Fe, S, Hg, K and Ba. Subsidiary splays from the SKSZ may be important exploration targets for gold. Transpressional shear zones are significant in terms of gold mineralization. An example of this type of shear is the Kirkland Lake–Larder Lake–Cadillac Break (Robert, 1989; Robin and Cruden, 1994). The presence of structures in the southern Knee Lake greenstone belt can be inferred from the distribution of As. The responses generally occur along faults mapped in the area and coincident Sb, Ag or base metal geochemical anomalies are worthy of follow-up.

A variety of geochemical anomalies are associated with the Magill Lake intrusion in the southern portion of the survey area. The granite/granodiorite intrudes greywacke, arkose and conglomerate and at its periphery is marked by high Au, As, W, Be, Fe, Cs, Rb, Ta, U, Th and W.

Conclusions and recommendations

The following conclusions flow from a preliminary assessment of 1999 rock geochemical data:

1. Rock geochemical data confirms the metallogenetic significance of the transpressional SKSZ in the southern portion of the Knee Lake greenstone belt. This structure and associated splays represent important exploration targets.

2. Alteration accompanying massive sulphide-type mineralization is identified in rock geochemical data from the vicinity of Cinder Lake and in areas of known ground geophysical conductors. Similar responses are obtained from areas of no known exploration activity. These responses represent important exploration targets.

3. The REE-enriched syenite in Cinder Lake and the apparent associated shear/fracture associated with it have distinctive rock geochemical signatures. Considering the value of rare element commodities these areas should be reconnoitered for repetitions of this type of mineralization.

4. The southern margin of the belt is marked by a broad high strain zone. A similar feature could be present along the northern belt margin. Both margins should be prospected for pegmatite- and shear zone-related mineralization.

5. The thin band of mafic to felsic volcanic rocks that extends from Oxford Lake eastwards towards Magill Lake is marked by a significant elevated geochemical response for Sb and should be assessed for base and/or precious metal mineralization.

APPENDIX R-I
Outcrop Rock Chip Sample Descriptions

99R-002: olive green weathering, non-mineralized basalt with carbonate-filled fractures

97R-005: pink weathering, epidotized protomylonitic quartz monzonite with 1% disseminated euhedral pyrite

99R-007: olive green weathering, fine-grained, non-mineralized basalt with carbonate filled fractures

99R-008: beige and rusty weathering, silicified, chloritic and basalt with 1-2% disseminated pyrite

99R-009: green weathering, fine-grained, silicified basalt with 1-3% disseminated and veinlet pyrite

99R-010: grey-green and rusty weathering, silicified, carbonatized, non-mineralized basalt

99R-011: grey-green and rusty weathering, silicified, non-mineralized basalt

99R-012: green and rusty weathering fine-grained basalt with quartz-carbonate veinlets and 1% disseminated pyrite

99R-013: melanocratic gabbro with rusty weathered fractures and 1% disseminated pyrite

99R-014: medium grained black-green weathering visibly unaltered and non-mineralized gabbro

99R-015: green-black weathering fine-grained visibly unaltered basalt

99R-017: grey and rusty weathering fine-grained, non-mineralized basalt with thin carbonate-filled fractures

99R-020: beige weathering and sericitic quartz porphyry with 1% very fine-grained disseminated pyrite

99R-021: green weathering fine-grained gabbro with less than 1% very fine-grained disseminated pyrite and carbonate-filled fractures

99R-022: green weathering, silicified, chloritic and non-mineralized diorite

99R-023: green and rusty weathering, fine-grained, sheared and carbonate-altered nonmineralized basalt

99R-024: light green and slightly rusty weathering, non-mineralized basalt

99R-026: green-grey weathering, non-mineralized basalt with rusty weathering fractures and amphibole blastesis

99R-028: rusty weathering, silicified, black, pyritic (5% disseminated and laminae of pyrite) and graphitic sedimentary rock ('earthy pyrite')

99R-029: green and rusty weathering gabbro with rusty carbonate veins

99R-030: light green and rusty weathering, non-mineralized basalt; strongly foliated with carbonate and quartz veins parallel to foliation

99R-031: grey-green and rusty weathering, non-mineralized gabbro

99R-032: light green and rusty weathering basalt with carbonate veinlets and 1-2% disseminated pyrite

99R-033: green-grey and rusty weathering pillow basalt with 2-5% disseminated and veinlet pyrite confined to pillow selvages

99R-034: grey-green and rusty weathering basalt with flecks and veinlets of carbonate and 1-2% disseminated and veinlet pyrite

99R-035: dark green to black and rusty weathering basalt with 1-2% disseminated and veinlet pyrite associated with quartz and carbonate veins

99R-036: green to black and rusty weathering sheared gabbro with 5% disseminated pyrite

99R-038: green and rusty weathering sheared basalt with 1% disseminated pyrite

99R-042: grey weathering, unaltered and non-mineralized granite

99R-043: pink to grey weathering, unaltered and non-mineralized granite

99R-044: grey to pink weathering, epidotized, non-mineralized granite with 1 cm potassium feldspar crystals

99R-045: dark green and rusty weathering basalt with 5% fracture-controlled disseminated and veinlet pyrite

99R-047: light green weathering, strongly foliated, non-mineralized basalt with calcite veins fractures

99R-048: grey and rusty weathering, strongly sheared intermediate sedimentary rock (?) with 5% disseminated pyrite

99R-048-2: pink carbonate-tourmaline-quartz-muscovite rock (float) with 3-5% disseminated chalcopyrite

99R-049: green weathering, unaltered, non-mineralized medium grained gabbro

99R-050: chrome green and rusty weathering fine-grained basalt

99R-051: green weathering, very fine-grained, non-mineralized basalt with carbonate veins

99R-052: chrome green weathering, non-mineralized, very fine-grained basalt with quartz and carbonate veins

99R-054: grey-green and rusty weathering, sucrosic textured, strongly foliated intermediate intrusion (?) with 1-3% disseminated pyrite and chalcopyrite

99R-055: green and rusty weathering, fine-grained basalt

99R-056: green and rusty weathering, fine-grained basalt with carbonate veinlets

99R-057: green and rusty weathering pillow basalt and pillow breccia with 5% disseminated and veinlet pyrite and lesser chalcopyrite in pillow and breccia interstices

99R-058: green and rusty weathering basalt with 1-3% disseminated pyrite

99R-063: dark green and rusty weathering, locally silicified melagabbro with 2-3% disseminated pyrite and chalcopyrite

99R-070: light green and rusty weathering basalt with localized zones of fracture-controlled silicification, carbonate alteration, and 3-5% disseminated and veinlet pyrite and chalcopyrite

99R-071: light green and rusty weathering, strongly foliated pillow basalt with local calcite veinlets and 1% disseminated pyrite

99R-072: light green and rusty weathering, strongly foliated basalt with local areas of calcite veinlets and zones of 1% disseminated pyrite

99R-076: rusty weathering, dark blue quartz vein with 1% disseminated pyrite

99R-078: dark green and rusty weathering pillow basalt; fractures in pillows are silicified, epidotized and mineralized with 5-10% disseminated and veinlet pyrite

99R-079: light green and rusty weathering sericitized basalt with 1-2% disseminated pyrite along foliation planes

99R-082: dark green and rusty weathering fine-grained basalt; locally silicified and epidotized with 5% disseminated pyrite

99R-087: dark green to black weathering, fine-grained, unaltered and non-mineralized basalt

99R-099: grey-green and rusty weathering, silicified, fine-grained amphibolite with 1% disseminated pyrite

99R-103: green weathering, strongly foliated basalt with a blue, rusty weathering quartz vein with 1-3% disseminated pyrite

99R-104: light green and rusty weathering, silicified and fractured basalt with 5% disseminated pyrite

99R-109: dark green and rusty weathering basalt with 1% disseminated and veinlet pyrrhotite

99R-114: white to grey and locally rusty weathering, fine-grained rhyolite with trace disseminated pyrite

99R-116: white to grey weathering, non-mineralized, feldspar porphyritic rhyclite

99R-119: grey-green weathering, silicified, non-mineralized massive basalt

99R-128: grey to green and rusty weathering massive basalt with 5% disseminated arsenopyrite and 1% veinlet pyrite

99R-131: dark grey and rusty weathering fine-grained basalt with a rusty weathering white quartz vein containing 1-2% disseminated and veinlet pyrite

99R-141: dark geen and rusty weathering, strongly foliated basalt with rusty weathering carbonate and quartz veinlets

99R-149: dark green to black, rusty weathering massive basalt with rusty weathering calcite-filled fractures

99R-150: dark green weathering, fine-grained basalt with rusty weathered fractures containing carbonate and 1% disseminated pyrite

99R-157: light to dark green, silicified fine-grained basalt with rusty weathering, carbonate-filled fractures

99R-202: strongly foliated and rusty weathered greywacke with 3-5% disseminated pyrite

99R-202-2: rusty weathering quartz-tourmaline vein

999R-203: strongly foliated and rusty weathering greywacke with 5% disseminated pyrite

99R-213-1: rusty weathering blue quartz vein

99R-213-2: beige weathering, very fine-grained foliated feldspar-quartz porphyry with 2% disseminated pyrite

99R-213-3: strongly foliated and silicified, garnetiferous greywacke with 5% disseminated pyrite

99R-213-4: rusty weathering and silicified greywacke with 5% disseminated pyrite

99R-213-5: rusty weathering chlorite-garnet-quartz silicate facies iron formation with 2-5% disseminated and veinlet pyrite

99R-213-6: silicified garnet-biotite-quartz greywacke with 5% very fine-grained pyrite

99R-213-7: strongly silicified greywacke with 10% disseminated and veinlet pyrite and malachite stain

99R-218: non-mineralized, foliated biotite siltstone

99R-227: fine-grained, strongly foliated biotite greywacke crosscut by non-mineralized quartz lenses and pods

99R-230: fine-grained, non-mineralized biotite siltstone

99R-235: fine-grained, strongly foliated greywacke with foliation parallel, 0.5 cm, white, non-mineralized quartz veins

99R-241: rusty weathering, non-mineralized greywacke

99R-251: rusty weathering greywacke with 1-5% disseminated pyrite

99R-258: strongly foliated, garnetiferous greywacke with rusty weathered foliation planes

99R-259: rusty weathering, strongly foliated garnet-biotite greywacke with 1-5% disseminated pyrite

99R-260: fine-grained biotite-siltstone with <1% disseminated pyrite along foliation planes

99R-261: rusty weathering, fine-grained, strongly foliated biotite-siltstone with <1% fine-grained disseminated pyrite and foliation parallel, non-mineralized white quartz veins

99R-264: rusty weathering, fine-grained, strongly foliated biotite-siltstone with <1% fine-grained disseminated pyrite and foliation parallel, non-mineralized white quartz and carbonate veins

99R-265: dark green-black weathering feldspar porphyritic basalt with 1% very fine-grained pyrite

99R-266: rusty weathering, foliated and fractured feldspar porphyritic and pillowed basalt; rusty weathering mainly confined to pillow selvages

99R-267: white to grey weathering, non-mineralized, pegmatitic Magill Lake granite

99R-268: pink weathering, non-mineralized, pegmatitic Magill Lake granite

99R-269: white to grey weathering, non-mineralized, pegmatitic Magill Lake granite

99R-274: rusty weathering quartz-tourmaline vein

99R-281-1: hornblende-garnet-biotite-quartz altered mafic sedimentary rock with 1-5% disseminated and veinlet pyrite and rare arsenopyrite grains

99R-281-2: rusty weathering hornblende-garnet-biotite-quartz altered mafic sedimentary rock with 1-5% disseminated and veinlet pyrite and rare arsenopyrite grains

99R-281-3: relatively unaltered, dark grey to black weathering hornblende-biotite-quartz sedimentary rock

99R-282: rusty weathering, medium-grained amphibolite

99R-283: fine-grained, foliated basalt crosscut by non-mineralized carbonate veins

99R-287: fine-grained, silicified greywacke crosscut by non-mineralized quartz-carbonate veins

99R-288: strongly foliated biotite-greywacke with 1% disseminated pyrite and thin monominerallic pyrite laminae

99R-289: rusty weathering, fine-grained, non-mineralized siltstone

99R-291: fine-grained, rusty weathering basalt with 1% disseminated pyrite

99R-292: fine-grained, rusty weathering siltstone

99R-292(2): olive green weathering, fine-grained ultramafic sedimentary rock

99R-293: pyrite-graphite ('earthy pyrite') crosscut by quartz-pyrite veins

99R-294(1): strongly foliated, rusty weathering, non-mineralized siltstone

99R-294(2): near-solid pyrite with quartz veins

99R-295(1): very fine-grained, laminated siltstone with 2-3% disseminated pyrite

99R-295(2): strongly silicified, fine-grained, grey weathering siltstone (?) with finely disseminated pyrite, arsenopyrite, molybdenite and/or galena

99R-296: foliated, non-mineralized greywacke crosscut by 0.5 cm quartz veins

99R-297: pyroxenite

99R-297(2): olive green weathering, strongly foliated, fine-grained ultramafic sedimentary rock

99R-297(3): rusty weathering gabbro with 2% disseminated pyrite

99R-297(4): graphite-pyrite ('earthy pyrite')

99R-298: foliated, nonmineralized greywacke

99R-300: fine-grained, massive basalt with rusty weathered carbonate veins

99R-301(1): fine-grained, laminated dark grey weathering siltstone with 0.5 cm chert layers and 1% disseminated pyrite

99R-301(2): foliated, grey weathering, non-mineralized felsic sedimentary rock with <1 mm quartz 'eyes'

99R-302: strongly foliated, fine-grained, locally silicified biotite-greywacke with 1-3% disseminated pyrite and pyrrhotite in the matrix; sample is crosscut by non-mineralized quartz-carbonate veins and also contains 5% chalcopyrite and pyrrhotite mobilisate

99R-302-2: rusty weathering, silicified, strongly foliated basalt with 10-20% disseminated and veinlet pyrite, pyrrhotite and minor chalcopyrite

99R-303: light green weathering, fine-grained ultramafic sedimentary rock

99R-304: foliated, fine-grained, non-mineralized greywacke

99R-305: foliated, weakly silicified, non-mineralized greywacke

99R-308: foliated, fine-grained, non-mineralized greywacke

99R-309: strongly foliated siltstone with local rusty patches and <1% disseminated patches

99R-311: dark grey to black weathering, very fine-grained "cherty", non-mineralized siltstone

99R-312: rusty weathered phyllite with 5% disseminated and veinlet pyrite

99R-312(2): solid sulphide pyrite

99R-314: foliated, fine-grained, locally silicified, non-mineralized greywacke

99R-324: strongly foliated, non-mineralized biotite-greywacke

99R-346: rusty weathered greywacke

99R-348: strongly foliated, non-mineralized biotite-greywacke

99R-349: strongly foliated, non-mineralized biotite-greywacke

99R-351: strongly foliated, rusty weathered, partially silicified, non-mineralized siltstone

ICP-AES, H^+, *K* and Hg Analyses.

Sample Site	UTM		Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	Ba	Be	Bi	Ca	Co	Cr
	Easting	Northing	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm
99R-2	379928.11	6087059.58	0.3	0.6	172	976	1	149	1	66	3.81	21	12	1	5	3.68	52	279
99R-5	386340.97	6060776.00	0.1	0.3	7	66	1	5	3	7	0.37	5	181	1	5	0.53	3	11
99R-7	380012.55	6085720.22	0.3	0.3	209	912	1	117	1	51	2.74	20	23	1	5	3.54	76	255
99R-8	381843.70	6085393.08	0.1	0.3	20	271	1	26	1	40	0.34	5	42	1	5	1.35	11	4
99R-9	381226.37	6084881.63	0.1	0.3	23	3012	1	17	6	84	2.50	16	63	1	5	3.36	15	5
99R-10	380814.98	6083990.92	0.4	1.3	103	1415	1	80	1	50	3.31	19	20	1	5	6.20	35	103
99R-11	382124.73	6084199.82	0.4	1.3	80	1357	1	103	1	84	4.35	30	12	1	5	4.21	43	152
99R-12	384139.45	6089907.45	0.2	0.3	182	533	1	43	1	20	1.44	17	15	1	5	2.57	19	61
99R-13	385120.09	6089836.36	0.3	0.3	77	623	10	63	1	47	2.27	11	74	1	5	2.27	30	39
99R-14	386060.67	6089790.62	0.5	0.7	69	588	1	231	1	50	3.11	19	21	1	5	1.17	45	48
99R-15	385609.68	6088356.80	0.6	0.3	27	2168	1	62	10	66	3.40	11	52	1	5	4.59	15	52
99R-17	386831.55	6088342.61	0.1	0.7	88	1522	1	120	1	50	2.68	18	13	1	5	5.61	34	242
99R-20	385498.35	6085864.44	0.1	0.9	9	151	1	2	10	12	0.27	678	98	1	5	1.09	2	1
99R-21 Analytical Duplicate	384823.47	6085301.09	0.2	1.0	22	532	1	795	3	5	2.06	24	16	1	5	0.19	93	661
99R-21 Analytical Duplicate	384823.47	6085301.09	0.3	0.9	22	580	1	822	5	8	2.20	15	16	1	5	0.20	95	715
99R-22	383626.62	6084172.60	0.3	0.8	148	472	1	70	1	20	2.20	14	15	1	5	1.37	27	76
99R-23	382797.60	6083251.65	0.3	0.3	76	1168	1	89	1	57	2.49	18	23	1	5	8.43	32	175
99R-24	383922.80	6083064.31	0.3	0.3	113	893	1	135	1	41	2.03	13	14	1	5	0.99	38	449
99R-26	389273.35	6089551.83	0.3	0.3	111	797	1	136	1	85	2.87	13	179	1	5	1.21	39	219
99R-28	391096.14	6090415.34	0.2	0.3	97	299	3	66	13	41	1.88	5	115	1	5	0.43	26	63
99R-29	390765.20	6089215.18	0.3	0.3	75	398	7	39	2	17	1.20	12	25	1	5	1.61	26	31
99R-30	389922.08	6088381.30	0.6	0.3	54	1123	14	256	9	30	1.50	10	198	1	5	1.40	31	1120
99R-31	387776.64	6087871.04	0.2	0.3	28	441	1	52	1	51	1.71	22	14	1	5	1.81	27	20
99R-32	389281.25	6087309.72	0.3	0.5	94	850	1	215	1	41	2.49	23	39	1	5	3.87	43	179
99R-33	387035.08	6086978.20	0.3	0.3	79	1099	1	50	1	65	2.33	50	7	1	5	3.46	34	107
99R-34	388567.46	6086677.37	0.1	0.8	69	391	5	116	2	12	1.33	5	8	1	5	0.68	20	58
99R-35	390865.79	6088176.15	0.4	0.6	50	851	1	37	1	46	1.45	20	69	1	5	1.65	28	49
99R-36	390299.61	6087715.51	0.5	0.6	1178	168	2	10	6	4	0.51	5	7	1	5	0.84	34	4
99R-38 Analytical Duplicate	392410.86	6087648.10	0.3	0.3	57	410	1	98	1	59	2.56	11	118	1	5	0.97	29	50
99R-38 Analytical Duplicate	392410.86	6087648.10	0.4	0.9	57	438	1	99	1	60	2.66	15	118	1	5	1.10	31	52
99R-42	391238.39	6085940.29	0.1	0.3	6	152	1	11	3	30	0.61	5	35	1	5	0.35	6	16
99R-43	389804.68	6084999.49	0.1	0.3	3	114	1	3	4	22	0.39	5	34	1	5	0.15	2	4
99R-44	389261.00	6083667.72	0.1	0.3	3	99	1	3	1	8	0.31	5	22	1	5	0.15	2	3
99R-45	386653.33	6084343.11	0.4	0.3	157	598	1	27	3	40	1.08	5	142	1	5	1.38	35	18
99R-47	384919.22	6082875.51	0.5	0.3	68	2054	1	71	1	80	3.80	16	8	1	5	6.09	41	119
99R-48-1 Field Duplicate	383904.64	6082648.05	0.1	0.3	6	241	1	7	18	21	0.28	5	60	1	5	1.81	2	3
99R-48-2 Field Duplicate	383904.64	6082648.05	0.1	0.6	11	490	1	1	9	7	0.20	15	44	1	5	4.60	4	1
99R-49	388981.01	6090705.90	0.3	0.3	53	129	1	26	5	1	0.86	169	57	1	5	1.16	8	22
99R-50	387427.39	6090166.15	0.3	0.3	58	791	1	131	1	46	2.20	5	12	1	5	2.56	41	201
99R-51	385816.88	6087616.81	0.3	0.7	83	1250	1	50	1	78	2.68	12	10	1	5	5.81	40	46
99R-52	382575.20	6088407.01	0.3	0.3	14	456	1	20	3	32	0.70	5	47	1	5	1.51	13	19
99R-54	380446.70	6088630.40	0.1	0.3	36	912	1	5	38	127	3.18	24	269	8	5	3.94	9	11

Sample Site	UTM		Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	Ba	Be	Bi	Ca	Co	Cr
	Easting	Northing	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm
99R-55	384763.43	6039168.41	0.5	0.3	174	1192	4	49	5	55	3.12	25	18	1	5	1.68	15	141
99R-56 Analytical Duplicate	384593.57	6087985.36	0.1	0.3	158	363	1	59	1	19	3.24	12	13	1	5	2.59	19	85
99R-56 Analytical Duplicate	384593.57	6087985.36	0.3	0.3	157	359	1	57	1	19	3.26	22	14	1	5	2.60	19	85
99R-57	380747.02	6088073.86	0.4	0.3	76	1783	1	41	8	127	3.01	16	142	1	5	1.28	17	37
99R-58	379201.36	6089481.35	0.3	0.3	59	957	3	47	1	67	2.37	15	279	1	5	1.02	29	70
99R-63	371851.38	6084985.15	0.4	0.3	534	446	1	166	4	31	2.08	12	9	1	5	1.61	46	180
99R-70	377176.25	6084802.55	1.2	0.3	1806	657	1	100	10	71	2.03	17	16	1	5	1.11	32	129
99R-71	375594.28	6084702.04	0.4	0.3	112	1249	1	108	1	65	3.04	20	10	1	5	6.46	41	217
99R-72	370123.86	6085972.41	0.4	0.3	77	1640	1	74	6	110	3.59	32	65	1	5	2.68	39	72
99R-76	366875.73	6082011.38	0.1	0.7	20	245	1	25	5	16	0.62	17	42	1	5	1.49	6	25
99R-78	368777.48	6081793.37	0.3	0.3	85	637	4	61	1	34	2.97	31	94	1	5	2.21	30	162
99R-79	369918.79	6081283.90	0.1	0.3	25	267	1	25	11	23	1.02	5	138	1	5	2.46	9	28
99R-82	372516.50	6088851.06	0.4	0.3	113	332	1	34	3	8	1.56	12	64	1	5	2.60	18	55
99R-87	365628.38	6087349.81	0.2	0.3	113	546	1	52	1	14	3.31	15	15	1	5	4.12	15	86
99R-99	366531.44	6089734.77	0.3	0.3	186	405	8	81	1	32	1.44	20	36	1	5	1.94	28	65
99R-103	363623.14	6086658.21	0.3	0.3	230	407	1	113	1	26	2.68	5	189	1	5	2.57	34	118
99R-104 Analytical Duplicate	365252.32	6088140.42	0.3	0.9	40	902	1	57	1	86	3.95	18	12	1	5	1.45	34	146
99R-104 Analytical Duplicate	365252.32	6088140.42	0.4	0.3	41	864	1	55	1	82	3.66	13	10	1	5	1.08	34	140
99R-109	368585.13	6084340.09	0.3	0.3	155	367	1	48	1	18	3.50	30	16	1	5	3.02	18	96
99R-114	375612.85	6082701.79	0.3	0.3	64	898	1	45	6	53	1.77	11	57	1	5	1.07	15	49
99R-116	376836.61	6082259.30	0.1	0.3	24	483	1	13	4	30	1.01	14	51	1	5	2.34	7	14
99R-119	382085.70	6083046.21	0.4	0.3	70	863	1	68	1	58	2.95	31	9	1	5	2.78	32	186
99R-128	369477.36	6079563.69	0.8	5.4	349	253	1	105	12	37	1.70	16580	43	1	5	1.29	24	86
99R-131	356359.18	6084946.56	0.5	0.3	69	511	1	61	11	53	3.21	43	193	1	5	0.58	17	107
99R-141	362142.99	6084076.48	0.2	1.1	50	749	1	47	9	55	3.04	32	1087	1	5	3.96	22	156
99R-149	370525.75	6084197.53	0.5	0.9	157	809	1	90	3	55	3.38	25	9	1	5	3.51	35	115
99R-150	378340.48	6088920.71	0.1	0.3	137	465	1	41	1	17	3.91	24	37	1	5	4.48	17	86
99R-157	372027.71	6087027.04	0.3	0.3	118	958	1	106	3	48	3.11	21	44	1	5	4.24	35	149
99R-202-1 Field Duplicate	370612.18	6078749.88	1.3	0.3	298	861	1	45	12	33	2.32	20	25	1	5	2.60	15	40
99R-202-2 Field Duplicate	370612.18	6078749.88	1.7	0.5	7	139	1	5	87	56	0.14	5	16	1	5	1.00	2	4
99R-203	369733.49	6079116.31	0.5	0.5	87	177	1	15	9	1	0.84	67	14	1	5	0.82	3	19
99R-213-1 Field Duplicate	365183.13	6079542.10	0.3	0.7	22	556	1	75	6	48	1.66	54	103	1	5	0.52	21	197
99R-213-2 Field Duplicate	365183.13	6079542.10	0.2	0.3	22	540	1	28	6	57	1.34	5	85	1	5	0.47	14	45
99R-213-3 Field Duplicate	365183.13	6079542.10	0.5	0.3	41	636	1	65	4	83	1.64	16	37	1	5	0.72	25	267
99R-213-4 Field Duplicate	365183.13	6079542.10	0.5	0.3	55	536	3	49	7	81	1.32	10	51	1	5	0.68	21	72
99R-213-5 Field Duplicate	365183.13	6079542.10	0.6	0.7	85	304	3	27	6	5	1.25	329	37	1	5	1.47	9	19
99R-213-6 Field Duplicate	365183.13	6079542.10	1.1	0.3	257	93	1	31	8	6	2.45	38	48	1	5	2.17	5	25
99R-213-7 Field Duplicate	365183.13	6079542.10	0.2	0.3	77	98	1	45	7	25	0.31	5	42	1	5	0.19	22	35
99R-218	363444.79	6074383.10	0.1	0.7	83	360	1	45	4	15	1.04	28	25	1	5	1.25	23	58
99R-227	355381.59	6075600.60	0.3	0.5	13	471	1	30	2	35	3.15	18	614	1	5	2.56	23	39
99R-230	355405.44	6076684.24	0.3	0.3	142	268	1	34	5	35	2.29	19	534	1	5	2.12	17	35
99R-235	352971.33	6071021.91	0.3	0.3	113	495	1	7	4	44	1.19	14	83	1	5	2.57	27	1
99R-241 Analytical Duplicate	372758.61	6071129.61	0.4	0.3	67	731	3	52	15	82	2.26	19	221	1	5	0.39	16	174
99R-241 Analytical Duplicate	372758.61	6071129.61	0.3	0.3	65	710	2	49	11	79	2.19	17	215	1	5	0.38	16	169
99R-251	369454.61	6077674.80	0.6	0.3	245	540	1	76	10	51	2.01	18	39	1	5	1.27	34	91
99R-258	368572.08	6072950.06	0.5	0.8	86	169	1	53	12	28	2.06	174	45	1	5	0.84	13	70
99R-259	367901.42	6074827.37	0.9	0.3	128	778	28	33	8	37	2.98	17	36	7	5	2.23	14	32
99R-260	359223.52	6069883.78	0.6	0.3	84	160	1	51	7	27	2.00	192	51	1	5	0.80	13	69
99R-261	360063.93	6069315.74	0.4	0.3	47	465	1	58	9	67	2.64	16	250	1	5	0.30	23	224

Sample Site	UTM		Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	Ba	Be	Bi	Ca	Co	Cr
	Easting	Northing	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm
99R-264	360989.77	6069149.40	0.3	0.3	92	393	1	22	3	21	1.36	13	17	1	5	0.56	17	21
99R-265	361329.67	6072980.83	0.3	0.3	78	196	1	42	1	21	0.90	5	101	1	5	0.56	20	68
99R-266	363559.03	6071022.97	0.1	0.3	143	239	1	23	1	12	1.10	5	304	1	5	1.27	13	38
99R-267	377020.28	6069882.33	0.3	0.5	228	296	1	62	1	12	1.05	5	39	1	5	1.74	32	61
99R-268	379044.14	6070599.95	0.1	0.3	3	77	1	2	7	1	0.23	10	11	1	5	0.03	1	3
99R-269	376364.81	6071760.41	0.1	0.3	2	144	1	2	18	11	0.42	5	15	1	5	0.06	1	2
99R-274	382955.22	6071800.72	0.1	0.3	4	40	1	2	5	1	0.03	16	6	1	5	0.10	1	3
99R-281-1 Field Duplicate	379124.40	6067728.11	0.4	0.5	64	792	1	18	1	2	0.67	28	10	1	5	0.96	5	27
99R-281-2 Field Duplicate	379124.40	6067728.11	0.4	0.8	95	1443	1	81	3	5	1.11	1682	11	1	5	1.45	26	48
99R-281-2 Analytical Duplicate	379124.40	6067728.11	0.1	1.2	96	1356	1	84	1	5	1.03	1704	11	1	5	1.35	28	45
99R-281-3 Field Duplicate	379124.40	6067728.11	0.1	0.3	1	429	1	79	1	1	0.53	632	12	1	5	0.70	30	32
99R-282	382727.20	6079909.30	0.1	0.7	89	473	1	17	7	56	1.60	11	61	1	5	0.75	23	15
99R-283	382282.71	6077714.41	0.3	0.3	63	633	1	50	3	39	1.57	5	444	1	5	2.50	17	108
99R-287	385938.09	6072538.35	0.2	0.3	99	330	1	22	1	6	0.68	5	9	1	5	2.59	8	16
99R-288	384706.93	6071638.97	0.4	0.7	91	459	1	66	5	72	2.31	106	33	1	5	0.88	31	66
99R-289	384447.42	6070035.32	0.1	0.3	81	417	1	36	1	15	2.19	12	14	1	5	2.73	16	39
99R-291	386749.94	6071142.51	0.3	0.8	129	385	2	35	3	11	1.18	5	19	1	5	1.72	14	36
99R-292-1 Field Duplicate	372658.22	6079359.51	0.4	0.3	45	642	2	77	16	80	2.50	10	58	1	5	0.37	21	121
99R-292-2 Field Duplicate	372658.22	6079359.51	0.2	0.3	95	341	1	489	1	44	3.14	14	688	1	5	0.44	48	644
99R-293	373332.21	6078856.12	0.5	0.3	49	701	5	66	13	37	1.59	106	49	1	5	0.17	19	83
99R-294-1 Field Duplicate	374312.89	6078921.40	0.3	1.2	78	1326	1	48	1	56	3.24	20	9	1	5	3.13	35	52
99R-294-2 Field Duplicate	374312.89	6078921.40	0.8	1.0	30	1	1	16	18	1	0.02	135	3	1	5	0.03	15	1
99R-295-1 Field Duplicate	375182.62	6078624.03	0.5	0.3	23	317	1	17	9	1	1.37	15	204	1	5	1.52	3	29
99R-295-2 Field Duplicate	375182.62	6078624.03	0.1	0.7	40	71	1	5	6	1	0.15	1530	14	3	5	0.11	4	2
99R-295-2 Analytical Duplicate	375182.62	6078624.03	0.1	0.3	38	68	1	5	7	1	0.14	1419	13	3	5	0.11	4	2
99R-296	376386.81	6078570.83	0.1	0.3	26	426	1	55	3	50	1.68	5	156	1	5	1.15	17	93
99R-297-1 Field Duplicate	377606.00	6078057.09	0.2	0.8	32	353	1	92	9	13	1.43	5	930	1	5	2.59	17	184
99R-297-2 Field Duplicate	377606.00	6078057.09	0.1	0.3	85	240	1	731	1	36	2.73	5	213	1	5	0.61	47	960
99R-297-3 Field Duplicate	377606.00	6078057.09	0.2	0.8	202	454	1	65	8	29	2.20	5	125	1	5	1.65	30	142
99R-297-4 Field Duplicate	377606.00	6078057.09	0.4	0.8	57	219	1	330	8	23	0.25	5	27	1	5	1.39	51	266
99R-298	377794.68	6079094.31	0.3	0.3	73	795	1	49	4	54	2.27	13	879	1	5	2.36	23	158
99R-301 Field Duplicate	382264.75	6081807.41	0.3	0.3	90	932	1	52	1	45	2.68	19	13	1	5	2.08	31	169
99R-301-1 Field Duplicate	382264.75	6081807.41	0.7	1.1	7	121	1	14	11	1	0.28	5	97	1	5	1.27	3	16
99R-301-2 Field Duplicate	382264.75	6081807.41	0.1	0.3	6	271	1	7	11	24	0.29	5	86	1	5	2.20	2	3
99R-302-1 Field Duplicate	381825.16	6080640.92	0.6	0.3	204	5853	3	1372	10	18	1.54	110	87	1	5	11.49	95	542
99R-302-2 Field Duplicate	381825.16	6080640.92	0.6	0.3	70	152	3	215	16	59	1.36	20	52	1	5	0.03	30	29
99R-303	381419.93	6079292.48	0.1	0.3	93	291	1	257	1	17	1.11	5	239	1	5	1.44	29	191
99R-304 Analytical Duplicate	379828.87	6079816.74	0.3	0.3	77	603	1	245	1	34	2.38	18	406	1	5	4.15	31	399
99R-304 Analytical Duplicate	379828.87	6079816.74	0.4	0.3	75	572	1	236	1	32	2.24	29	395	1	5	3.91	28	386
99R-305	373257.01	6080611.99	0.2	0.3	12	476	1	77	2	59	2.41	5	335	1	5	1.23	21	142
99R-308	378593.33	6079122.68	0.1	0.3	73	856	1	37	1	59	2.72	16	655	1	5	2.48	23	113
99R-309	379412.18	6081620.51	0.3	0.3	76	1093	1	40	4	65	3.60	16	9	1	5	1.11	49	6
99R-311	375825.45	6081477.33	0.1	0.3	42	375	1	148	3	31	1.68	5	71	1	5	1.41	23	256
99R-312-1 Field Duplicate	374729.14	6081514.74	0.2	0.3	95	580	1	82	7	73	2.99	292	31	1	5	0.46	37	124
99R-312-2 Field Duplicate	374729.14	6081514.74	1.8	0.3	41	612	1	52	19	35	1.20	62	7	1	5	0.29	93	38
99R-314	380441.27	6077362.52	0.3	0.3	32	468	1	52	3	48	2.06	5	283	1	5	1.25	20	134
99R-324	371909.21	6077077.66	0.3	0.3	17	314	1	41	1	34	1.16	5	159	1	5	0.68	14	76
99R-346	363508.62	6077282.57	0.3	0.3	27	123	1	44	5	25	1.81	10	297	1	5	0.18	13	96
99R-348	386609.32	6076034.47	0.4	0.3	56	456	1	31	2	23	1.22	5	31	1	5	2.05	16	46

Sample Site	UTM		Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	Ba	Be	Bi	Ca	Co	Cr
	Easting	Northing	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm
99R-349	394290.85	6073197.89	0.1	0.3	92	366	1	46	1	22	1.32	5	14	1	5	1.21	25	48
99R-351	377332.39	6064774.37	0.3	0.3	78	690	3	97	13	98	3.10	51	78	1	5	0.62	38	204

Sample Site	Fe	K	Mg	Na	P	Sb	Sc	Sn	Sr	Ti	V	W	Y	Zr	S	H*	K	Hg
	%	%	%	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppb	mhos cm^{-1}	ppb
99R-2	6.04	0.03	2.48	0.20	244	10	18	5	18	0.13	204	5	7	4	513	-2.6	10.1	8
99R-5	0.50	0.02	0.12	0.11	385	5	1	5	126	0.12	10	5	3	7	39	-2.6	1.7	3
99R-7	4.04	0.06	1.74	0.21	277	5	20	5	16	0.19	203	5	10	3	337	-2.6	17.2	3
99R-8	1.21	0.16	0.36	0.11	487	5	1	5	43	0.03	7	5	3	4	1003	-2.6	9.7	3
99R-9	6.77	0.16	1.06	0.06	1542	5	7	5	215	0.21	81	5	11	8	1103	-2.6	14.1	3
99R-10	5.68	0.10	2.02	0.11	245	5	8	5	27	0.25	98	5	7	4	327	-2.6	15.9	3
99R-11	7.60	0.03	3.21	0.06	154	5	11	5	21	0.32	168	5	7	5	226	-2.6	12.4	3
99R-12	2.50	0.03	0.89	0.25	209	5	9	5	10	0.20	78	5	8	4	528	-2.6	6.6	3
99R-13	4.51	0.34	1.84	0.25	352	13	11	5	51	0.24	124	5	11	10	1711	-2.6	5.5	3
99R-14	4.78	0.04	3.24	0.12	392	5	2	5	48	0.22	81	5	9	8	547	-2.6	2.9	3
99R-15	8.42	0.09	1.33	0.07	566	5	7	5	93	0.12	56	5	9	11	271	-2.6	17.5	3
99R-17	4.54	0.02	2.08	0.12	191	5	5	5	15	0.14	90	5	3	5	241	-2.6	17.9	3
99R-20	0.63	0.19	0.03	0.07	183	5	1	5	126	0.01	1	5	1	16	3374	-2.6	15.1	3
99R-21 Analytical Duplicate	7.53	0.04	11.46	0.01	94	17	8	5	8	0.01	76	5	4	4	240	-2.6	3.2	3
99R-21 Analytical Duplicate	7.83	0.04	12.20	0.02	129	33	8	5	8	0.01	78	5	4	5	245			3
99R-22	3.08	0.03	2.63	0.05	224	5	4	5	18	0.17	47	5	7	13	604	-2.6	11.6	3
99R-23	3.81	0.06	2.50	0.03	166	5	6	5	16	0.23	71	5	4	5	139	-2.6	15.3	3
99R-24	3.40	0.01	1.94	0.06	153	11	8	5	20	0.29	94	5	5	7	360	-2.6	-13.8	10
99R-26	4.11	0.06	2.56	0.05	254	5	3	5	19	0.19	62	5	6	7	506	-2.6	3.1	9
99R-28	4.39	1.04	1.11	0.04	677	19	4	5	33	0.15	46	5	10	41	10560	-2.5	26.0	3
99R-29	2.61	0.18	1.31	0.10	208	5	6	5	8	0.19	66	5	6	3	2309	-2.6	19.8	3
99R-30	5.02	0.68	1.11	0.13	214	5	13	5	22	0.19	77	5	5	9	2401	-2.6	10.1	3
99R-31	2.75	0.04	1.20	0.06	396	5	7	5	21	0.22	83	5	9	27	154	-2.6	11.3	3
99R-32	3.45	0.37	3.01	0.04	116	5	3	5	18	0.16	65	5	2	3	2126	-2.6	16.5	3
99R-33	5.18	0.01	2.42	0.03	226	15	4	5	13	0.08	59	5	3	7	6039	-2.6	24.2	3
99R-34	1.88	0.02	1.10	0.09	80	5	1	5	8	0.07	19	5	1	2	1753	-2.6	12.1	3
99R-35	4.35	0.20	0.87	0.19	445	5	11	5	10	0.16	87	5	6	4	2162	-2.6	6.4	3
99R-36	5.39	0.02	0.60	0.14	812	5	7	5	9	0.10	73	5	12	13	14310	-2.6	14.3	3
99R-38 Analytical Duplicate	4.88	0.31	2.45	0.11	84	5	5	5	2	0.12	48	5	3	5	46	-2.6	3.7	3
99R-38 Analytical Duplicate	5.08	0.32	2.53	0.13	84	14	6	5	2	0.13	52	5	3	5	38			3
99R-42	1.02	0.37	0.52	0.10	291	5	2	5	34	0.07	20	5	2	7	42	-2.6	2.6	3
99R-43	0.65	0.21	0.23	0.09	162	5	1	5	27	0.04	8	5	1	9	5	-2.6	2.7	3
99R-44	0.42	0.10	0.19	0.07	134	5	1	5	37	0.02	4	5	1	5	77	-2.6	3.8	3
99R-45	6.65	0.46	1.00	0.18	365	5	13	5	59	0.23	166	5	9	10	6004	-2.6	7.0	3
99R-47	7.46	0.02	2.42	0.02	253	13	12	5	38	0.35	129	5	8	6	5	-2.6	14.9	3
99R-48-1 Field Duplicate	1.27	0.12	0.42	0.07	263	5	1	5	228	0.01	3	5	2	8	182	-2.6	14.5	9
99R-48-2 Field Duplicate	1.50	0.15	0.17	0.02	655	5	1	5	1119	0.01	7	5	44	16	24	-2.6	19.3	3
99R-49	4.28	0.16	0.29	0.12	644	5	2	5	29	0.03	17	5	3	8	6920	-2.6	80.5	3
99R-50	3.27	0.04	2.50	0.03	204	5	7	5	22	0.16	100	5	6	5	202	-2.6	12.1	3
99R-51	6.36	0.02	1.32	0.07	456	5	15	5	38	0.13	237	5	11	6	836	-2.6	18.5	3
99R-52	2.69	0.47	0.71	0.07	664	5	4	5	92	0.30	95	5	9	29	101	-2.6	8.7	3
99R-54	3.06	1.13	0.55	2.95	1857	11	1	5	2315	0.21	97	5	20	16	3598	-2.6	19.7	3

Sample Site	Fe	K	Mg	Na	P	Sb	Sc	Sn	Sr	Ti	V	W	Y	Zr	S	H*	K	Hg
	%	%	%	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppb	mhos cm^{-1}	ppb
99R-55	6.97	0.07	2.22	0.24	142	5	10	5	14	0.17	106	5	5	5	2079	-1.9	17.1	3
99R-56 Analytical Duplicate	2.73	0.02	1.30	0.51	167	5	7	5	55	0.12	68	5	6	3	1064	-1.9	8.8	3
99R-56 Analytical Duplicate	2.71	0.02	1.31	0.51	154	5	7	5	55	0.12	67	5	6	3	1049			3
99R-57	7.86	0.23	1.86	0.10	349	5	10	5	29	0.20	121	5	7	8	3072	-1.6	17.8	3
99R-58	5.84	1.34	1.45	0.13	635	5	19	5	112	0.30	262	17	15	21	2381	-1.9	6.7	3
99R-63	5.52	0.02	2.01	0.05	4139	5	5	5	10	0.11	175	5	20	4	5974	-1.9	47.2	5
99R-70	3.98	0.13	1.69	0.03	146	5	4	5	15	0.15	72	5	2	5	1801	-1.9	24.5	14
99R-71	6.40	0.04	2.66	0.03	206	5	7	5	27	0.20	177	5	4	4	329	-1.9	27.1	3
99R-72	8.21	0.24	2.21	0.03	239	5	9	5	9	0.11	218	5	6	5	624	-1.9	23.8	3
99R-76	1.55	0.11	0.47	0.02	227	5	1	5	88	0.03	10	5	2	14	942	-1.9	29.1	3
99R-78	3.76	0.24	2.82	0.15	133	5	9	5	47	0.19	80	5	5	11	2628	-1.9	19.6	14
99R-79	1.42	0.33	0.62	0.06	331	5	4	5	142	0.11	22	5	4	20	1232	-1.9	28.7	3
99R-82	2.33	0.18	0.58	0.09	170	5	10	5	26	0.26	69	5	8	8	2004	-1.9	5.7	3
99R-87	2.29	0.04	1.02	0.61	170	5	10	5	53	0.13	59	5	5	2	134	-1.9	19.7	3
99R-99	2.18	0.09	0.58	0.07	216	5	10	5	56	0.26	72	5	9	6	2706	-1.9	16.9	3
99R-103	4.00	0.42	1.85	0.31	169	5	13	5	30	0.18	109	5	7	4	5159	-1.9	32.1	3
99R-104 Analytical Duplicate	7.58	0.03	4.33	0.08	1232	19	9	5	105	0.28	159	5	14	7	2460	-1.9	4.8	3
99R-104 Analytical Duplicate	7.16	0.02	4.17	0.06	1223	19	6	5	62	0.21	142	5	10	6	2508			3
99R-109	2.77	0.02	1.15	0.43	151	21	7	5	61	0.14	73	5	6	3	707	-1.9	10.8	3
99R-114	3.46	0.08	1.25	0.09	666	15	5	5	82	0.20	46	5	7	23	3295	-1.9	16.4	3
99R-116	0.99	0.13	0.48	0.13	618	5	2	5	41	0.10	15	5	6	8	5	-1.9	20.2	3
99R-119	3.77	0.01	3.11	0.08	279	5	8	5	48	0.29	104	5	10	17	30	-1.9	21.2	3
99R-128	6.77	0.82	1.45	0.15	1103	5	7	5	13	0.09	45	5	7	20	12660	-1.8	41.8	3
99R-131	6.25	1.87	1.51	0.15	521	5	9	5	55	0.22	77	5	7	34	5041	-1.9	23.8	3
99R-141	4.06	2.35	3.10	0.10	871	5	12	5	300	0.26	124	5	10	22	95	-1.9	28.9	3
99R-149	5.63	0.01	2.87	0.17	233	20	11	5	43	0.24	123	5	9	4	711	-1.9	26.6	3
99R-150	2.34	0.06	0.80	0.81	239	5	13	5	69	0.27	90	5	11	4	392	-1.9	14.4	3
99R-157	4.89	0.15	2.38	0.24	224	5	10	5	23	0.19	95	5	5	3	953	-1.9	24.3	3
99R-202-1 Field Duplicate	10.44	0.40	1.12	0.26	1515	5	5	5	104	0.09	41	5	10	17	30120	35.2	38.5	3
99R-202-2 Field Duplicate	0.43	0.02	0.10	0.04	341	5	1	5	21	0.01	3	5	2	5	198	-1.9	16.4	3
99R-203	6.36	0.08	0.41	0.10	547	13	2	5	26	0.03	17	79	3	10	10040	48.2	42.7	3
99R-213-1 Field Duplicate	3.82	0.26	0.93	0.07	647	5	6	5	33	0.16	75	5	8	20	478	-1.9	7.0	3
99R-213-2 Field Duplicate	3.67	0.78	0.49	0.13	628	5	3	5	38	0.13	57	5	4	20	10170	1.2	32.0	3
99R-213-3 Field Duplicate	4.88	0.57	0.63	0.13	787	5	5	5	57	0.15	77	5	5	19	17430	23.8	51.9	3
99R-213-4 Field Duplicate	4.90	0.68	0.68	0.10	451	5	3	5	40	0.13	53	5	4	19	19520	2.4	111.1	3
99R-213-5 Field Duplicate	7.04	0.17	0.44	0.10	813	5	2	5	38	0.03	16	5	5	12	17030	-1.9	88.2	3
99R-213-6 Field Duplicate	6.62	0.18	0.43	0.16	2326	5	2	5	229	0.03	18	5	7	11	29010	142.6	82.4	3
99R-213-7 Field Duplicate	3.66	0.15	0.16	0.08	285	5	3	5	17	0.08	28	5	4	18	24900	32.0	41.0	3
99R-218	1.84	0.06	0.64	0.18	299	5	8	5	17	0.10	59	5	5	3	234	-1.9	3.8	3
99R-227	6.18	2.64	1.64	0.12	1467	5	14	5	49	0.29	135	5	16	27	524	-1.9	23.4	3
99R-230	2.84	0.66	1.18	0.30	1535	5	7	5	135	0.12	64	5	11	9	124	-1.9	16.5	3
99R-235	3.74	0.41	0.56	0.13	631	5	4	5	38	0.18	60	5	6	14	441	-1.9	22.8	3
99R-241 Analytical Duplicate	4.14	1.92	1.92	0.07	857	5	8	5	24	0.21	102	5	16	12	1253	-1.9	11.6	3
99R-241 Analytical Duplicate	4.02	1.86	1.86	0.07	870	5	8	5	23	0.21	99	5	16	12	1210			3
99R-251	7.07	1.55	1.25	0.07	1529	5	4	5	43	0.16	81	5	10	12	16770	-1.9	106.7	3
99R-258	5.91	1.20	1.05	0.10	1298	5	6	5	42	0.13	58	5	5	12	14790	-1.9	62.8	3
99R-259	6.91	0.52	0.55	0.19	743	5	2	5	147	0.09	23	34	4	6	20670	-0.9	27.6	3
99R-260	5.77	1.18	1.03	0.09	1264	19	5	5	39	0.13	57	5	5	11	14540	-1.9	14.2	3
99R-261	5.16	1.06	2.44	0.04	587	5	13	5	11	0.16	150	5	5	13	1449	-1.9	11.0	3

Sample Site	Fe	K	Mg	Na	P	Sb	Sc	Sn	Sr	Ti	V	W	Y	Zr	S	H*	K	Hg
	%	%	%	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppb	mhos cm^{-1}	ppb
99R-264	3.06	0.04	1.24	0.07	374	5	4	5	7	0.11	62	5	3	7	771	-1.9	12.8	3
99R-265	1.81	0.31	0.86	0.08	376	5	4	5	10	0.09	52	5	3	5	1358	-1.9	22.2	3
99R-266	1.64	0.56	0.73	0.14	700	5	4	5	42	0.12	44	5	3	5	73	-1.9	50.5	3
99R-267	2.10	0.03	0.48	0.17	432	5	8	5	32	0.14	41	5	3	2	2869	-1.9	4.1	3
99R-268	0.34	0.16	0.06	0.07	13	5	1	5	2	0.01	1	5	4	13	14	-1.9	4.7	3
99R-269	0.71	0.22	0.11	0.08	27	5	2	5	6	0.01	2	5	9	24	16	-1.9	4.5	3
99R-274	0.32	0.01	0.02	0.01	93	5	1	5	8	0.01	1	5	1	1	103	-1.9	7.9	3
99R-281-1 Field Duplicate	4.04	0.06	0.41	0.12	225	5	4	5	5	0.05	27	5	2	5	2312	-1.6	20.3	3
99R-281-2 Field Duplicate	5.76	0.09	0.64	0.23	132	5	6	5	29	0.05	43	33	3	8	10050	0.8	41.0	3
99R-281-2 Analytical Duplicate	5.52	0.08	0.60	0.22	130	5	5	5	28	0.05	41	39	2	8	9957			3
99R-281-3 Field Duplicate	1.43	0.05	0.40	0.11	195	5	4	5	6	0.04	28	5	2	3	19	-1.9	3.4	3
99R-282	5.15	0.31	1.14	0.08	619	5	5	5	7	0.10	95	5	7	7	56	-1.9	10.0	3
99R-283	2.72	1.08	1.63	0.06	840	5	5	5	48	0.12	77	5	5	9	320	-1.9	36.2	3
99R-287	0.98	0.02	0.25	0.14	238	5	3	5	14	0.06	25	5	3	1	470	-1.9	33.7	3
99R-288	7.08	1.51	1.18	0.10	373	11	5	5	25	0.21	71	5	4	7	12850	-1.9	46.8	3
99R-289	1.66	0.03	0.52	0.38	273	5	8	5	44	0.13	64	5	8	2	499	-1.9	30.4	3
99R-291	1.85	0.06	0.43	0.25	224	5	7	5	23	0.11	47	5	4	2	1159	-1.9	24.1	3
99R-292-1 Field Duplicate	6.50	1.90	1.49	0.06	669	5	12	5	18	0.19	92	5	7	22	11170	-1.9	56.1	3
99R-292-2 Field Duplicate	3.86	3.32	5.59	0.06	1109	5	2	5	38	0.26	87	5	2	12	1171	-1.9	9.7	3
99R-293	8.25	1.64	0.86	0.03	590	5	12	5	13	0.19	76	5	8	27	26130	-1.9	34.6	3
99R-294-1 Field Duplicate	6.47	0.03	2.98	0.03	324	5	4	5	12	0.07	96	5	6	9	538	-1.9	32.1	3
99R-294-2 Field Duplicate	19.47	0.01	0.01	0.01	6	5	1	5	1	0.01	1	5	1	13	150120			132
99R-295-1 Field Duplicate	16.79	0.99	0.52	0.02	1081	12	3	5	91	0.06	29	5	4	15	4187	-1.9	51.0	3
99R-295-2 Field Duplicate	1.07	0.03	0.02	0.13	230	5	1	5	11	0.01	1	5	1	4	3469	-1.9	20.9	3
99R-295-2 Analytical Duplicate	1.01	0.03	0.02	0.12	212	5	1	5	10	0.01	1	5	1	4	3304			3
99R-296	2.45	1.26	1.84	0.06	774	5	3	5	48	0.13	61	33	4	14	127	-1.9	27.9	3
99R-297-1 Field Duplicate	1.99	0.70	2.21	0.29	587	5	8	5	350	0.11	65	5	6	15	93	-1.9	33.0	3
99R-297-2 Field Duplicate	3.72	0.81	6.81	0.03	848	5	1	5	48	0.05	100	5	5	8	535	-1.9	9.8	3
99R-297-3 Field Duplicate	4.85	0.03	3.21	0.09	1025	5	9	5	146	0.07	155	5	11	9	7945	-1.9	85.1	3
99R-297-4 Field Duplicate	5.47	0.02	0.54	0.08	613	5	3	5	22	0.16	30	5	8	15	26560	-1.9	75.8	3
99R-298	3.46	1.84	2.09	0.07	834	5	5	5	100	0.20	76	5	5	8	84	-1.9	33.7	3
99R-301 Field Duplicate	4.70	0.02	2.68	0.04	235	5	3	5	13	0.18	70	5	3	4	141	-1.9	18.5	3
99R-301-1 Field Duplicate	19.10	0.08	0.54	0.02	181	5	2	5	204	0.01	17	5	2	15	2288			48
99R-301-2 Field Duplicate	1.43	0.20	0.63	0.06	282	5	1	5	539	0.01	3	5	3	7	135	-1.9	22.2	41
99R-302-1 Field Duplicate	14.24	0.43	2.34	0.10	119	5	12	5	78	0.01	61	5	5	15	8568	-1.9	45.4	32
99R-302-2 Field Duplicate	8.03	0.07	1.07	0.02	125	5	2	5	2	0.01	19	5	3	12	18930	3.4	52.7	106
99R-303	1.92	0.66	2.04	0.25	866	5	5	5	116	0.11	40	5	4	8	1296	-1.9	21.0	7
99R-304 Analytical Duplicate	3.56	1.09	2.77	0.09	1168	5	5	5	118	0.19	76	5	9	6	313	-1.9	23.3	7
99R-304 Analytical Duplicate	3.35	1.05	2.58	0.08	1149	5	4	5	106	0.18	70	5	8	12	322			
99R-305	3.36	1.19	2.43	0.07	756	5	12	5	29	0.17	93	5	5	12	55	-1.9	24.7	3
99R-308	4.08	1.72	2.58	0.10	970	5	8	5	100	0.24	102	5	8	8	16	-1.9	24.7	3
99R-309	7.62	0.01	2.93	0.05	405	28	15	5	25	0.23	166	5	10	13	361	-1.9	14.2	7
99R-311	2.55	0.08	2.35	0.14	1248	5	4	5	112	0.12	53	5	9	4	1023	-1.9	15.0	12
99R-312-1 Field Duplicate	8.10	0.06	1.54	0.09	314	25	16	5	12	0.01	122	5	1	9	19580	-1.8	20.8	60
99R-312-2 Field Duplicate	21.98	0.01	0.92	0.03	63	5	3	5	12	0.08	34	5	2	18	150000	100.5	68.0	73
99R-314	2.96	1.80	1.97	0.09	620	5	5	5	72	0.18	65	5	4	5	1056	-1.9	20.2	3
99R-324	1.99	0.96	1.14	0.14	464	5	4	5	22	0.17	53	5	4	6	273	-1.9	11.3	3
99R-346	5.24	1.36	1.05	0.09	487	5	8	5	10	0.18	84	5	3	14	3747	-1.7	17.5	3
99R-348	2.56	0.10	0.97	0.23	301	5	10	5	10	0.11	73	5	6	2	430	-1.9	17.5	3

Sample Site	Fe	K	Mg	Na	P	Sb	Sc	Sn	Sr	Ti	V	W	Y	Zr	S	H^+	K	Hg
	%	%	%	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppb	mhos cm^{-1}	ppb
99R-349	2.88	0.06	1.35	0.15	296	5	7	5	8	0.13	68	5	5	3	2588	-1.9	11.0	3
99R-351	5.20	0.32	3.16	0.07	517	5	15	5	17	0.20	169	5	9	17	2079	-1.9	9.8	3

Appendix R-3

ICP-AES, H^+, *K* and Hg Analyses, Multiple Samples.

Sample Site	UTM		Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	Ba	Be	Bi	Ca	Co	Cr
	Easting	Northing	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm
99R-21 Analytical Duplicate	384823.47	6085301.09	0.2	1.0	22	532	1	795	3	5	2.06	24	16	1	5	0.19	93	661
99R-21 Analytical Duplicate	384823.47	6085301.09	0.3	0.9	22	580	1	822	5	8	2.20	15	16	1	5	0.20	95	715
99R-38 Analytical Duplicate	392410.86	6087648.10	0.3	0.3	57	410	1	98	1	59	2.56	11	118	1	5	0.97	29	50
99R-38 Analytical Duplicate	392410.86	6087648.10	0.4	0.9	57	438	1	99	1	60	2.66	15	118	1	5	1.10	31	52
99R-48-1 Field Duplicate	383904.64	6082648.05	0.1	0.3	6	241	1	7	18	21	0.28	5	60	1	5	1.81	2	3
99R-48-2 Field Duplicate	383904.64	6082648.05	0.1	0.6	11	490	1	1	9	7	0.20	15	44	1	5	4.60	4	1
99R-56 Analytical Duplicate	384593.57	6087985.36	0.1	0.3	158	363	1	59	1	19	3.24	12	13	1	5	2.59	19	85
99R-56 Analytical Duplicate	384593.57	6087985.36	0.3	0.3	157	359	1	57	1	19	3.26	22	14	1	5	2.60	19	85
99R-104 Analytical Duplicate	365252.32	6088140.42	0.3	0.9	40	902	1	57	1	86	3.95	18	12	1	5	1.45	34	146
99R-104 Analytical Duplicate	365252.32	6088140.42	0.4	0.3	41	864	1	55	1	82	3.66	13	10	1	5	1.08	34	140
99R-202-1 Field Duplicate	370612.18	6078749.88	1.3	0.3	298	861	1	45	12	33	2.32	20	25	1	5	2.60	15	40
99R-202-2 Field Duplicate	370612.18	6078749.88	1.7	0.5	7	139	1	5	87	56	0.14	5	16	1	5	1.00	2	4
99R-213-1 Field Duplicate	365183.13	6079542.10	0.3	0.7	22	556	1	75	6	48	1.66	54	103	1	5	0.52	21	197
99R-213-2 Field Duplicate	365183.13	6079542.10	0.2	0.3	22	540	1	28	6	57	1.34	5	85	1	5	0.47	14	45
99R-213-3 Field Duplicate	365183.13	6079542.10	0.5	0.3	41	636	1	65	4	83	1.64	16	37	1	5	0.72	25	267
99R-213-4 Field Duplicate	365183.13	6079542.10	0.5	0.3	55	535	3	49	7	81	1.32	10	51	1	5	0.68	21	72
99R-213-5 Field Duplicate	365183.13	6079542.10	0.6	0.7	85	304	3	27	6	5	1.25	329	37	1	5	1.47	9	19
99R-213-6 Field Duplicate	365183.13	6079542.10	1.1	0.3	257	93	1	31	8	6	2.45	38	48	1	5	2.17	5	25
99R-213-7 Field Duplicate	365183.13	6079542.10	0.2	0.3	77	98	1	45	7	25	0.31	5	42	1	5	0.19	22	35
99R-241 Analytical Duplicate	372758.61	6071129.61	0.4	0.3	67	731	3	52	15	82	2.26	19	221	1	5	0.39	16	174
99R-241 Analytical Duplicate	372758.61	6071129.61	0.3	0.3	65	710	2	49	11	79	2.19	17	215	1	5	0.38	16	169
99R-281-1 Field Duplicate	379124.40	6067728.11	0.4	0.5	64	792	1	18	1	2	0.67	28	10	1	5	0.96	5	27
99R-281-2 Field Duplicate	379124.40	6067728.11	0.4	0.8	95	1443	1	81	3	5	1.11	1662	11	1	5	1.45	26	48
99R-281-2 Analytical Duplicate	379124.40	6067728.11	0.1	1.2	96	1356	1	84	1	5	1.03	1704	11	1	5	1.35	28	45
99R-281-3 Field Duplicate	379124.40	6067728.11	0.1	0.3	1	429	1	79	1	1	0.53	632	12	1	5	0.70	30	32
99R-292-1 Field Duplicate	372658.22	6079359.51	0.4	0.3	45	642	2	77	16	80	2.50	10	58	1	5	0.37	21	121
99R-292-2 Field Duplicate	372658.22	6079359.51	0.2	0.3	95	341	1	489	1	44	3.14	14	686	1	5	0.44	48	644
99R-294-1 Field Duplicate	374312.89	6078921.40	0.3	1.2	78	1326	1	48	1	56	3.24	20	9	1	5	3.13	35	52
99R-294-2 Field Duplicate	374312.89	6078921.40	0.8	1.0	30	1	1	16	18	1	0.02	135	3	1	5	0.03	15	1

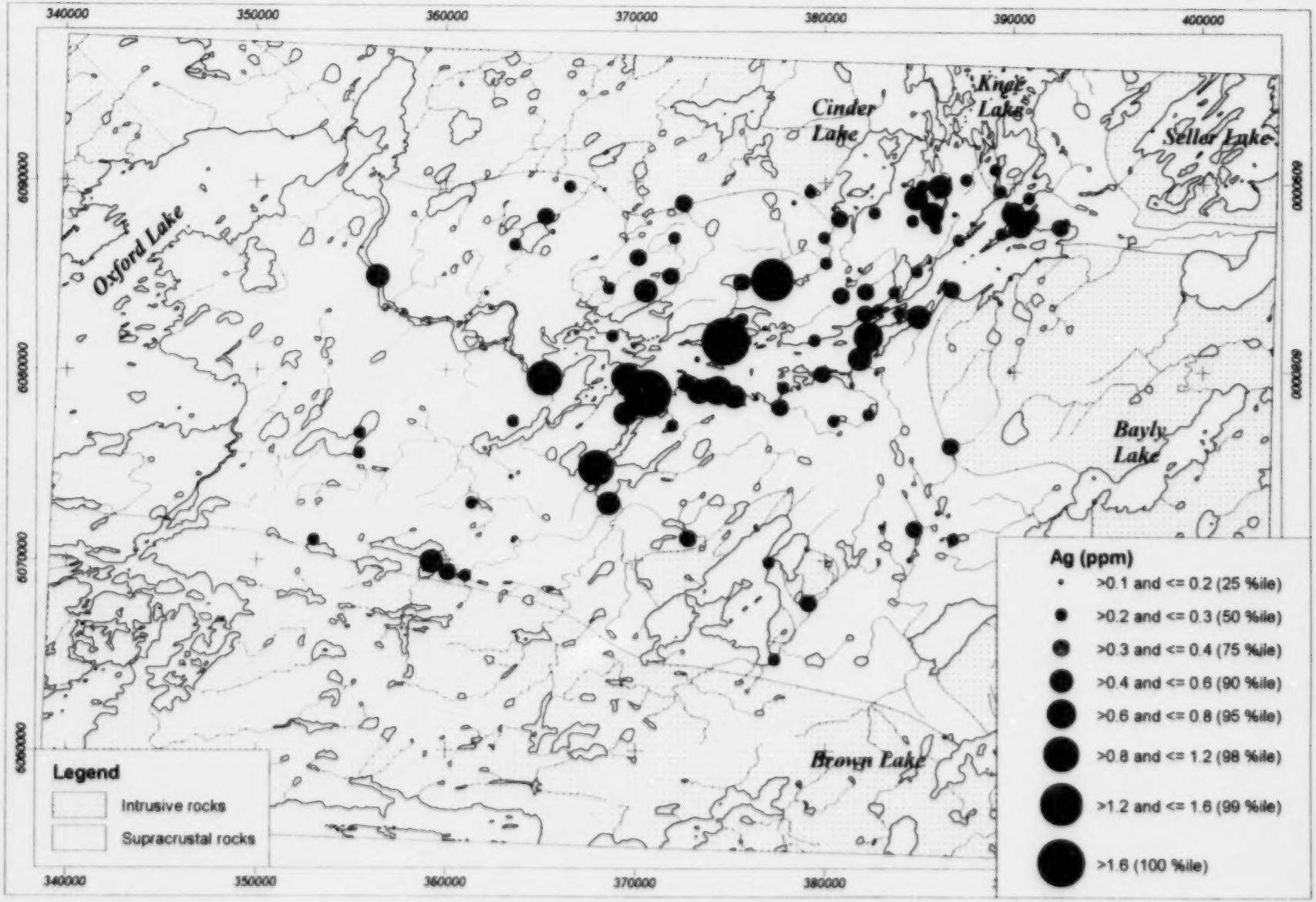
Sample Site	UTM		Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	Ba	Be	Bi	Ca	Co	Cr
	Easting	Northing	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm
99R-295-1 Field Duplicate	375182.62	6078624.03	0.5	0.3	23	317	1	17	9	1	1.37	15	204	1	5	1.52	3	29
99R-295-2 Field Duplicate	375182.62	6078624.03	0.1	0.7	40	71	1	5	6	1	0.15	1530	14	3	5	0.11	4	2
99R-295-2 Analytical Duplicate	375182.62	6078624.03	0.1	0.3	38	68	1	5	7	1	0.14	1419	13	3	5	0.11	4	2
99R-297-1 Field Duplicate	377606.00	6078057.09	0.2	0.8	32	353	1	92	9	13	1.43	5	930	1	5	2.59	17	184
99R-297-2 Field Duplicate	377606.00	6078057.09	0.1	0.3	85	240	1	731	1	36	2.73	5	213	1	5	0.61	47	960
99R-297-3 Field Duplicate	377606.00	6078057.09	0.2	0.8	202	454	1	65	8	29	2.20	5	125	1	5	1.65	30	142
99R-297-4 Field Duplicate	377606.00	6078057.09	0.4	0.8	57	219	1	330	8	23	0.25	5	27	1	5	1.39	51	266
99R-301 Field Duplicate	382264.75	6081807.41	0.3	0.3	90	932	1	52	1	45	2.68	19	13	1	5	2.08	31	169
99R-301-1 Field Duplicate	382264.75	6081807.41	0.7	1.1	7	121	1	14	11	1	0.28	5	97	1	5	1.27	3	16
99R-301-2 Field Duplicate	382264.75	6081807.41	0.1	0.3	6	271	1	7	11	24	0.29	5	86	1	5	2.20	2	3
99R-302-1 Field Duplicate	381825.16	6080640.92	0.6	0.3	204	5853	3	1372	10	18	1.54	110	87	1	5	11.49	95	542
99R-302-2 Field Duplicate	381825.16	6080640.92	0.6	0.3	70	152	3	215	16	59	1.36	20	52	1	5	0.03	30	29
99R-304 Analytical Duplicate	379828.87	6079816.74	0.3	0.3	77	603	1	245	1	34	2.38	18	406	1	5	4.15	31	399
99R-304 Analytical Duplicate	379828.87	6079816.74	0.4	0.3	75	572	1	236	1	32	2.24	29	395	1	5	3.91	28	386
99R-312-1 Field Duplicate	374729.14	6081514.74	0.2	0.3	95	580	1	82	7	73	2.99	292	31	1	5	0.46	37	124
99R-312-2 Field Duplicate	374729.14	6081514.74	1.8	0.3	41	612	1	52	19	35	1.20	62	7	1	5	0.29	93	38

Sample Site	Fe	K	Mg	Na	P	Sb	Sc	Sn	Sr	Ti	V	W	Y	Zr	S	H⁺	K	Hg
	%	%	%	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppb	mhos cm^{-1}	ppb
99R-21 Analytical Duplicate	7.53	0.04	11.46	0.01	94	17	8	5	8	0.01	76	5	4	4	240	-2.6	3.2	3
99R-21 Analytical Duplicate	7.83	0.04	12.20	0.02	129	33	8	5	8	0.01	78	5	4	5	245			3
99R-38 Analytical Duplicate	4.88	0.31	2.45	0.11	84	5	5	5	2	0.12	48	5	3	5	46	-2.6	3.7	3
99R-38 Analytical Duplicate	5.08	0.32	2.53	0.13	84	14	6	5	2	0.13	52	5	3	5	38			3
99R-48-1 Field Duplicate	1.27	0.12	0.42	0.07	263	5	1	5	228	0.01	3	5	2	8	182	-2.6	14.5	9
99R-48-2 Field Duplicate	1.50	0.15	0.17	0.02	655	5	1	5	1119	0.01	7	5	44	16	24	-2.6	19.3	3
99R-56 Analytical Duplicate	2.73	0.02	1.30	0.51	167	5	7	5	55	0.12	68	5	6	3	1064	-1.9	8.8	3
99R-56 Analytical Duplicate	2.71	0.02	1.31	0.51	154	5	7	5	55	0.12	67	5	6	3	1049			3
99R-104 Analytical Duplicate	7.58	0.03	4.33	0.08	1232	19	9	5	105	0.28	159	5	14	7	2460	-1.9	4.8	3
99R-104 Analytical Duplicate	7.16	0.02	4.17	0.06	1223	19	6	5	62	0.21	142	5	10	6	2508			3
99R-202-1 Field Duplicate	10.44	0.40	1.12	0.26	1515	5	5	5	104	0.09	41	5	10	17	30120	35.2	38.5	3
99R-202-2 Field Duplicate	0.43	0.02	0.10	0.04	341	5	1	5	21	0.01	3	5	2	5	198	-1.9	16.4	3
99R-213-1 Field Duplicate	3.82	0.26	0.93	0.07	647	5	6	5	33	0.16	75	5	8	20	478	-1.9	7.0	3
99R-213-2 Field Duplicate	3.67	0.78	0.49	0.13	628	5	3	5	38	0.13	57	5	4	20	10170	1.2	32.0	3
99R-213-3 Field Duplicate	4.88	0.57	0.63	0.13	787	5	5	5	57	0.15	77	5	5	19	17430	23.8	51.9	3
99R-213-4 Field Duplicate	4.90	0.68	0.68	0.10	451	5	3	5	40	0.13	53	5	4	19	19520	2.4	111.1	3
99R-213-5 Field Duplicate	7.04	0.17	0.44	0.10	813	5	2	5	38	0.03	16	5	5	12	17030	-1.9	88.2	3
99R-213-6 Field Duplicate	6.62	0.18	0.43	0.16	2326	5	2	5	229	0.03	18	5	7	11	29010	142.6	82.4	3
99R-213-7 Field Duplicate	3.66	0.15	0.16	0.08	285	5	3	5	17	0.08	28	5	4	18	24900	32.0	41.0	3
99R-241 Analytical Duplicate	4.14	1.92	1.92	0.07	857	5	8	5	24	0.21	102	5	16	12	1253	-1.9	11.6	3
99R-241 Analytical Duplicate	4.02	1.86	1.86	0.07	870	5	8	5	23	0.21	99	5	16	12	1210			3
99R-281-1 Field Duplicate	4.04	0.06	0.41	0.12	225	5	4	5	5	0.05	27	5	2	5	2312	-1.6	20.3	3
99R-281-2 Field Duplicate	5.76	0.09	0.64	0.23	132	5	6	5	29	0.05	43	33	3	8	10050	0.8	41.0	3
99R-281-2 Analytical Duplicate	5.52	0.08	0.60	0.22	130	5	5	5	28	0.05	41	39	2	8	9957			3
99R-281-3 Field Duplicate	1.43	0.05	0.40	0.11	195	5	4	5	6	0.04	28	5	2	3	19	-1.9	3.4	3
99R-292-1 Field Duplicate	6.50	1.90	1.49	0.06	669	5	12	5	18	0.19	92	5	7	22	11170	-1.9	56.1	3
99R-292-2 Field Duplicate	3.86	3.32	5.59	0.06	1109	5	2	5	38	0.26	87	5	2	12	1171	-1.9	9.7	3
99R-294-1 Field Duplicate	6.47	0.03	2.98	0.03	324	5	4	5	12	0.07	96	5	6	9	538	-1.9	32.1	3
99R-294-2 Field Duplicate	19.47	0.01	0.01	0.01	6	5	1	5	1	0.01	1	5	1	13	150120			132

Sample Site	Fe	K	Mg	Na	P	Sb	Sc	Sn	Sr	Ti	V	W	Y	Zr	S	H+	K	Hg
	%	%	%	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppb	mhos cm^{-1}	ppb
99R-295-1 Field Duplicate	16.79	0.99	0.52	0.02	1081	12	3	5	91	0.06	29	5	4	15	4187	-1.9	51.0	3
99R-295-2 Field Duplicate	1.07	0.03	0.02	0.13	230	5	1	5	11	0.01	1	5	1	4	3469	-1.9	20.9	3
99R-295-2 Analytical Duplicate	1.01	0.03	0.02	0.12	212	5	1	5	10	0.01	1	5	1	4	3304			3
99R-297-1 Field Duplicate	1.99	0.70	2.21	0.29	587	5	8	5	350	0.11	65	5	6	15	93	-1.9	33.0	3
99R-297-2 Field Duplicate	3.72	0.81	6.81	0.03	848	5	1	5	48	0.05	100	5	5	8	535	-1.9	9.8	3
99R-297-3 Field Duplicate	4.85	0.03	3.21	0.09	1025	5	9	5	146	0.07	155	5	11	9	7945	-1.9	85.1	3
99R-297-4 Field Duplicate	5.47	0.02	0.54	0.08	613	5	3	5	22	0.16	30	5	6	15	26560	-1.9	75.8	3
99R-301 Field Duplicate	4.70	0.02	2.68	0.04	235	5	3	5	13	0.18	70	5	3	4	141	-1.9	18.5	3
99R-301-1 Field Duplicate	19.10	0.08	0.54	0.02	181	5	2	5	204	0.01	17	5	2	15	2288			48
99R-301-2 Field Duplicate	1.43	0.20	0.63	0.06	282	5	1	5	539	0.01	3	5	3	7	135	-1.9	22.2	41
99R-302-1 Field Duplicate	14.24	0.43	2.34	0.10	119	5	12	5	78	0.01	61	5	5	15	8568	-1.9	45.4	32
99R-302-2 Field Duplicate	8.03	0.07	1.07	0.02	125	5	2	5	2	0.01	19	5	3	12	18930	3.4	52.7	106
99R-304 Analytical Duplicate	3.56	1.09	2.77	0.09	1168	5	5	5	118	0.19	76	5	9	6	313	-1.9	23.3	7
99R-304 Analytical Duplicate	3.35	1.05	2.58	0.08	1149	5	4	5	106	0.18	70	5	8	12	322			
99R-312-1 Field Duplicate	8.10	0.06	1.54	0.09	314	25	16	5	12	0.01	122	5	1	9	19580	-1.8	20.8	60
99R-312-2 Field Duplicate	21.98	0.01	0.92	0.03	63	5	3	5	12	0.08	34	5	2	18	150000	100.5	68.0	73

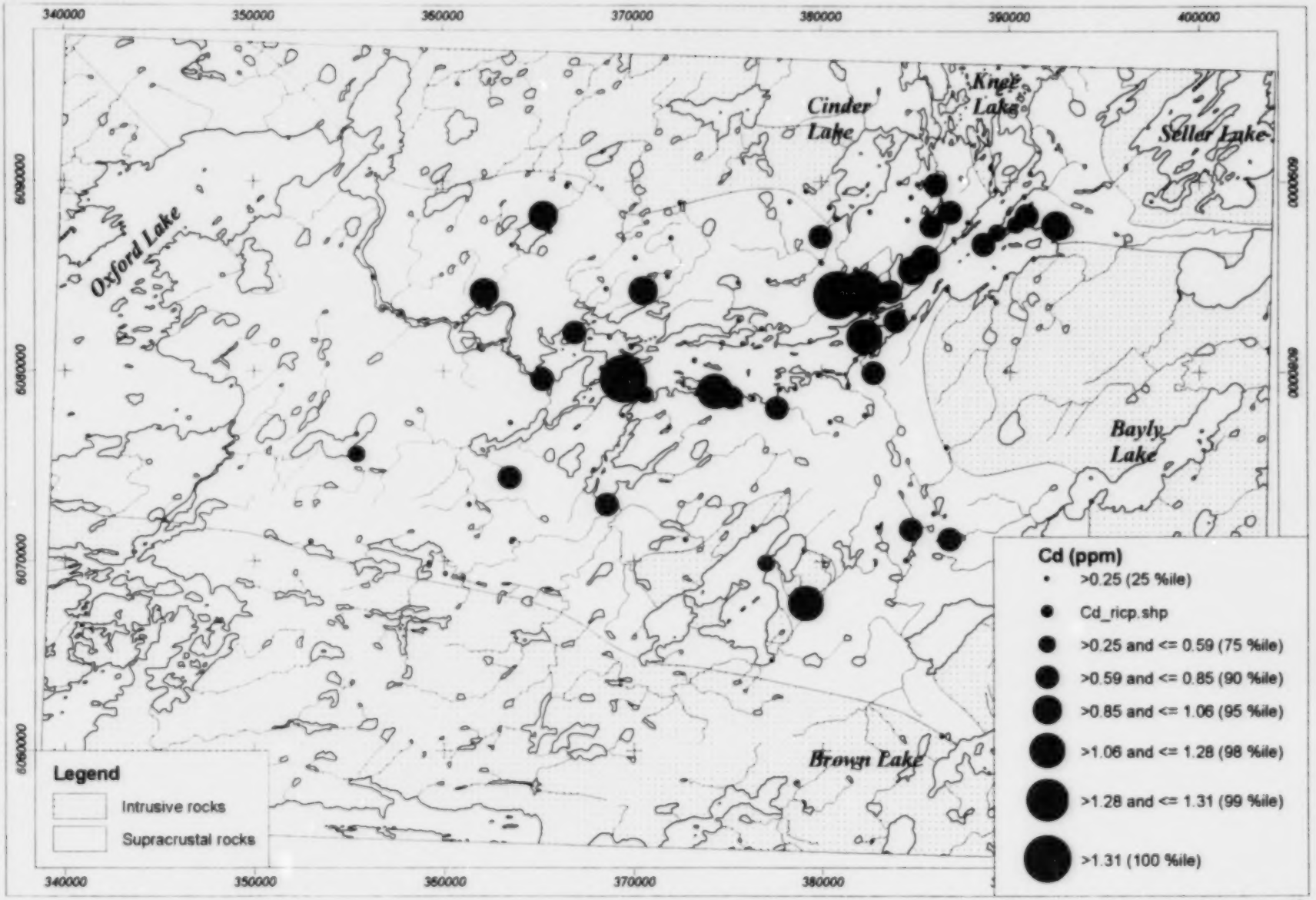
Appendix R-4

ICP-AES, H^+, *K* and Hg Analyses Percentile Bubble Plots.



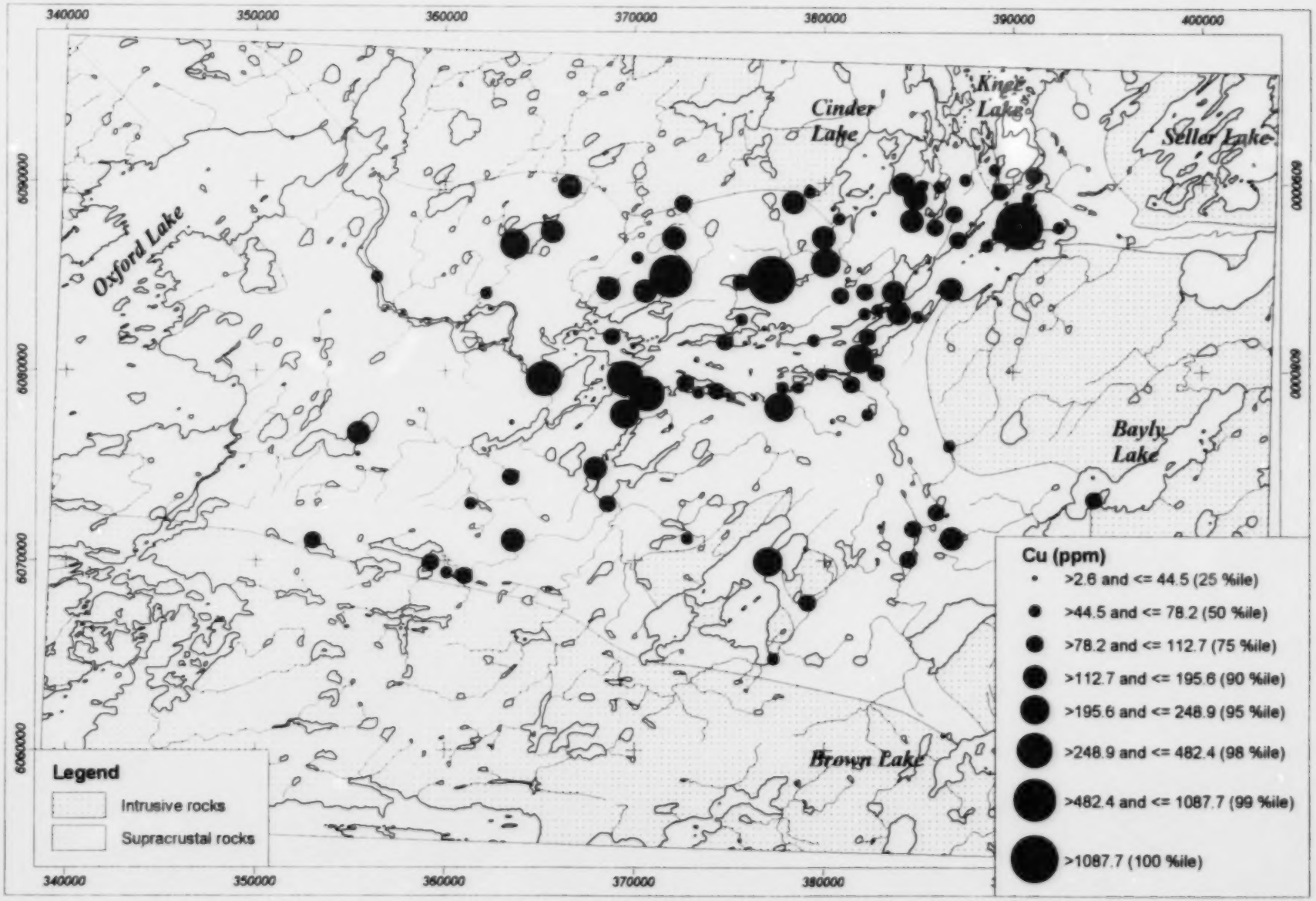
Outcrop rock chips - 114 samples
ICP-AES, H+, Specific Conductance and Hg (FIMS)

Appendix R-4-1



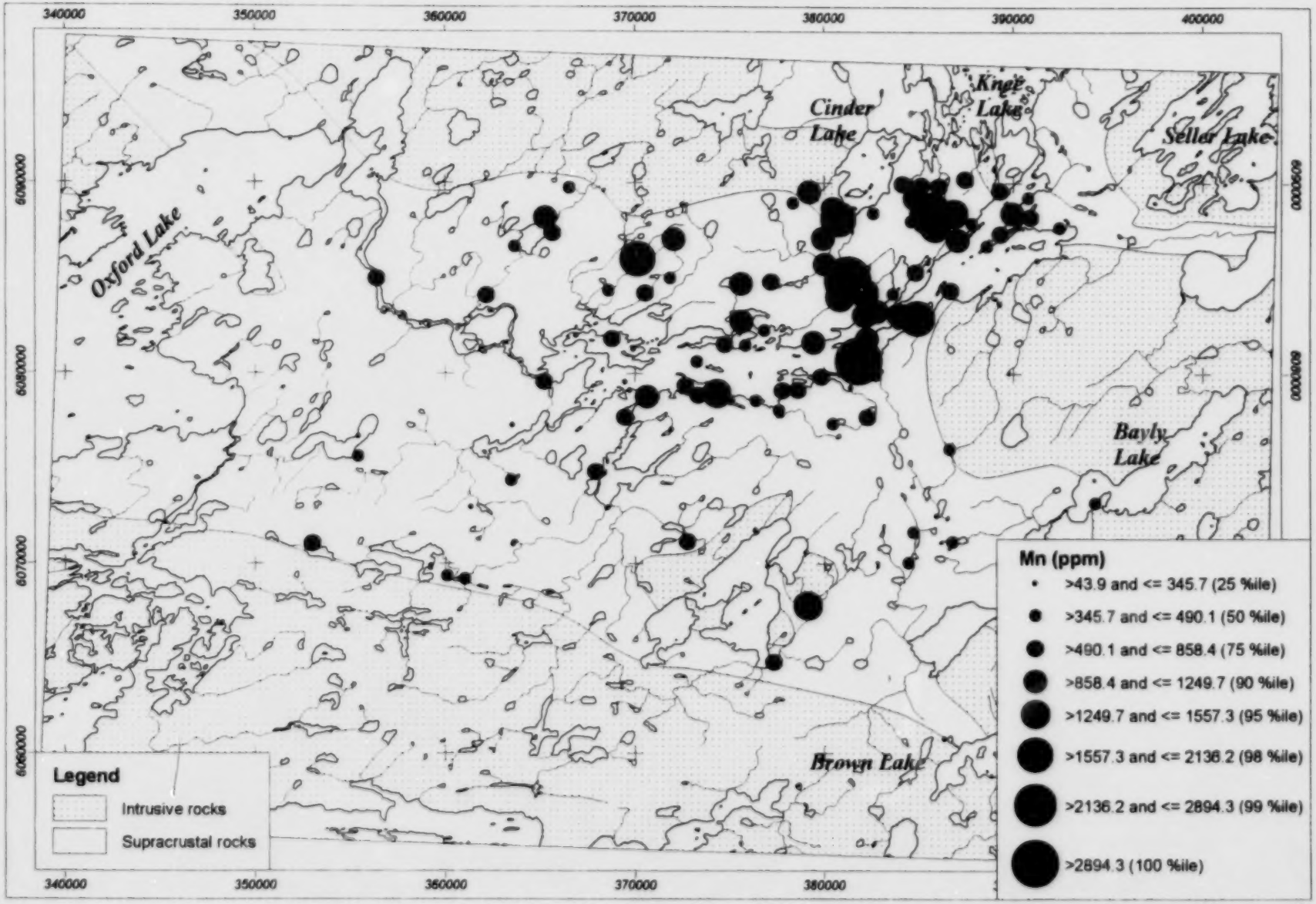
Outcrop rock chips - 114 samples
ICP-AES, H+, Specific Conductance and Hg (FIMS)

Appendix R-4-2



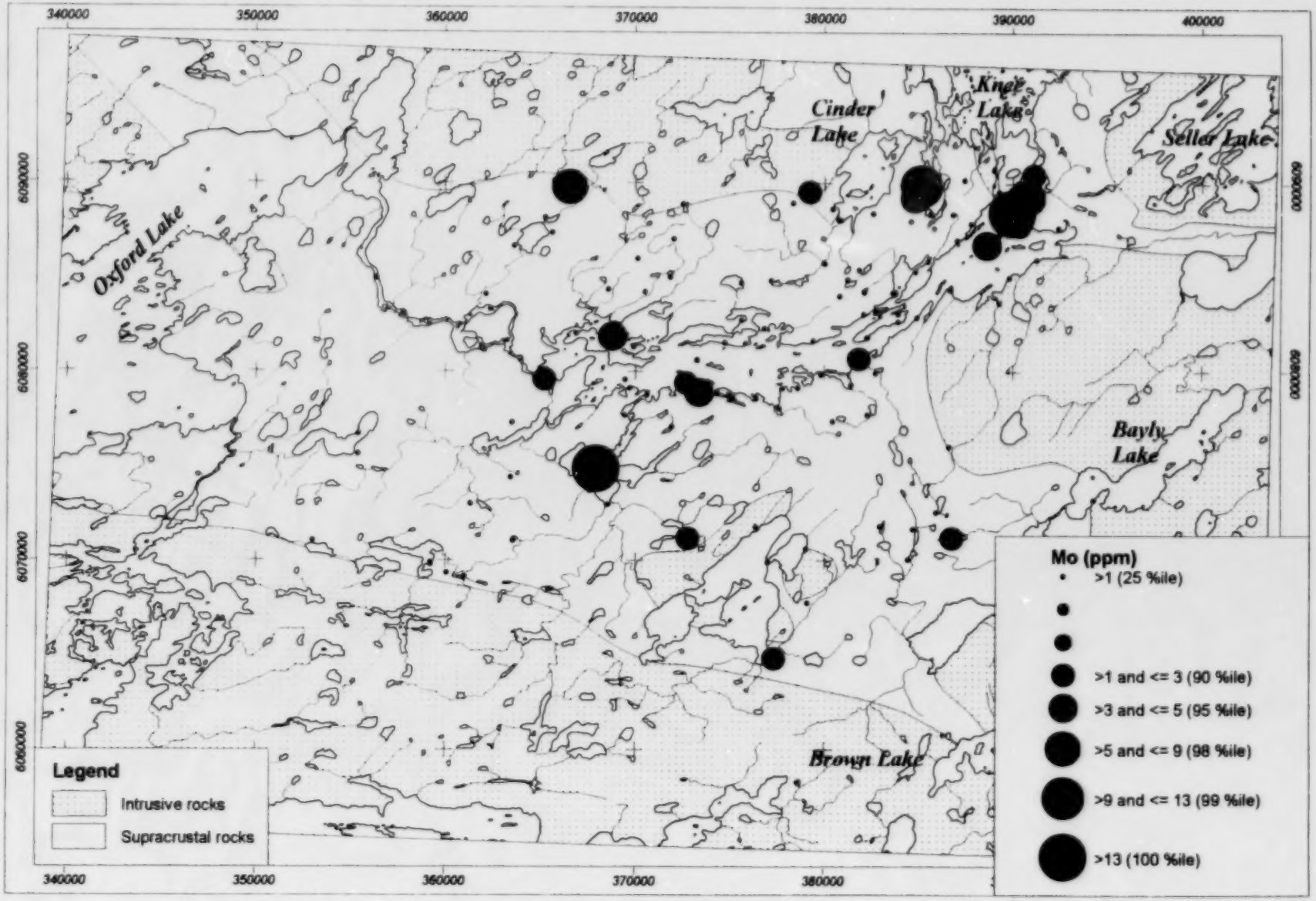
Outcrop rock chips - 114 samples
ICP-AES, H+, Specific Conductance and Hg (FIMS)

Appendix R-4-3



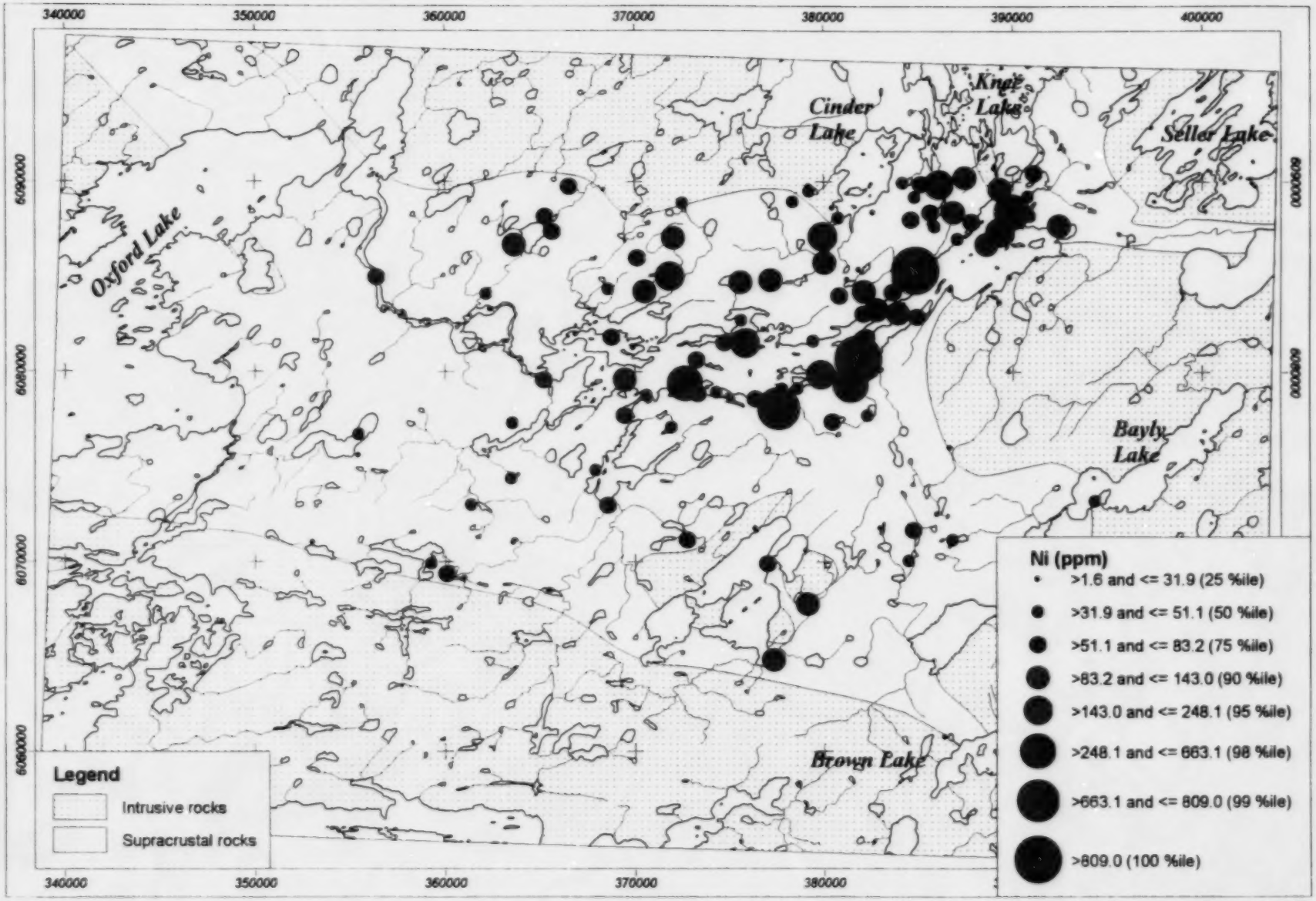
Outcrop rock chips - 114 samples
ICP-AES, H+, Specific Conductance and Hg (FIMS)

Appendix R-4-4



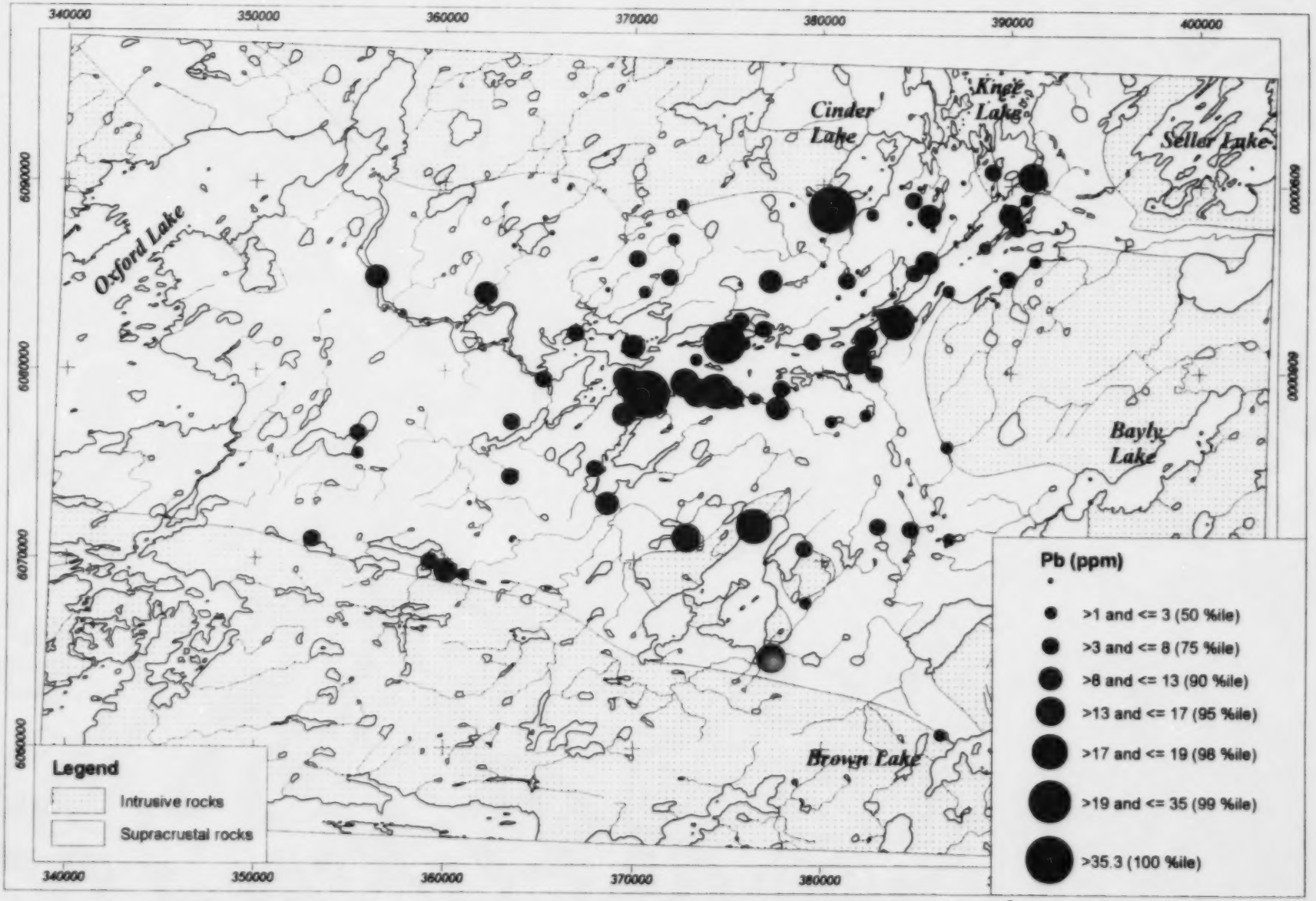
Outcrop rock chips - 114 samples
ICP-AES, H+, Specific Conductance and Hg (FIMS)

Appendix R-4-5



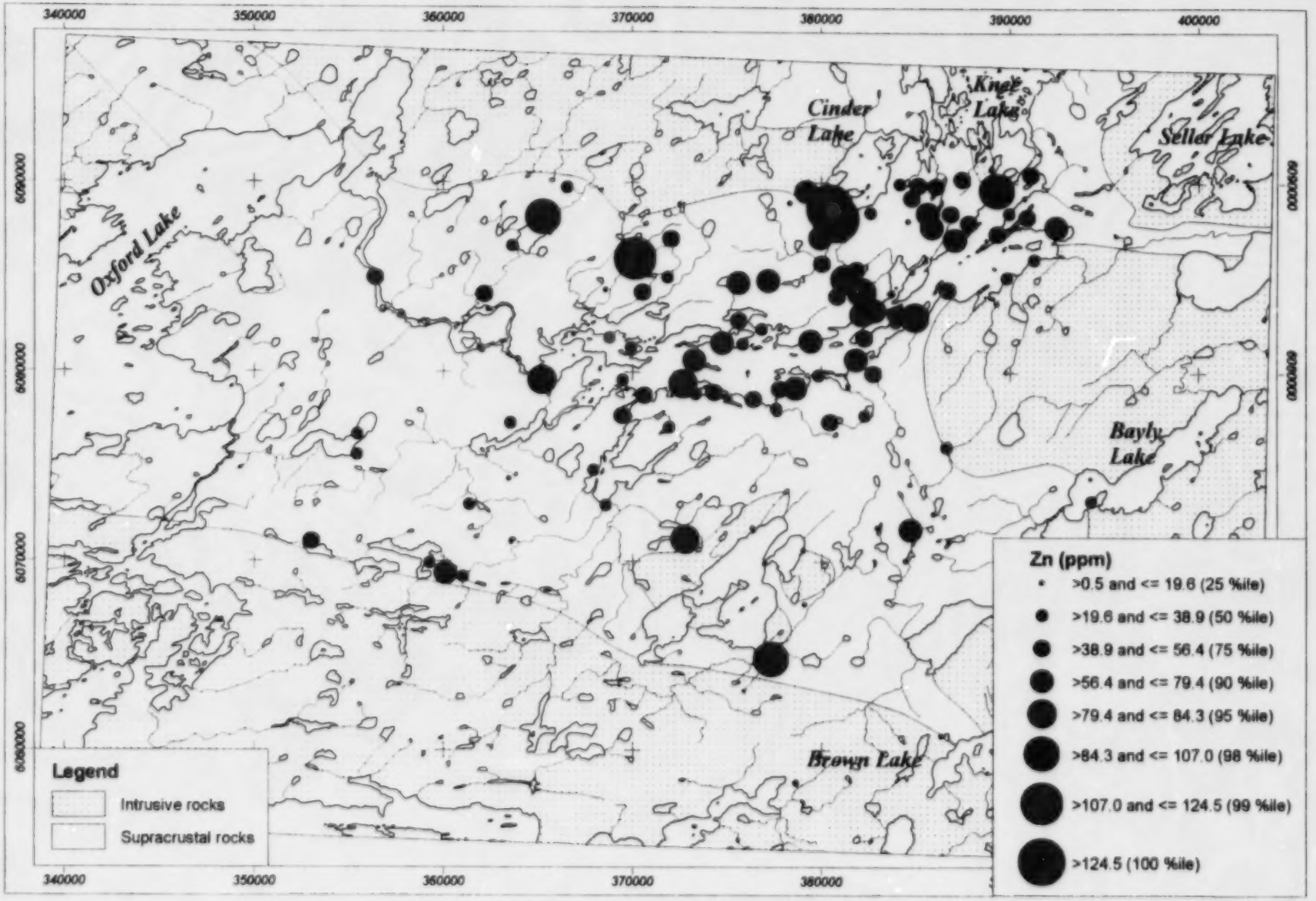
Outcrop rock chips - 114 samples
ICP-AES, H+, Specific Conductance and Hg (FIMS)

Appendix R-4-6



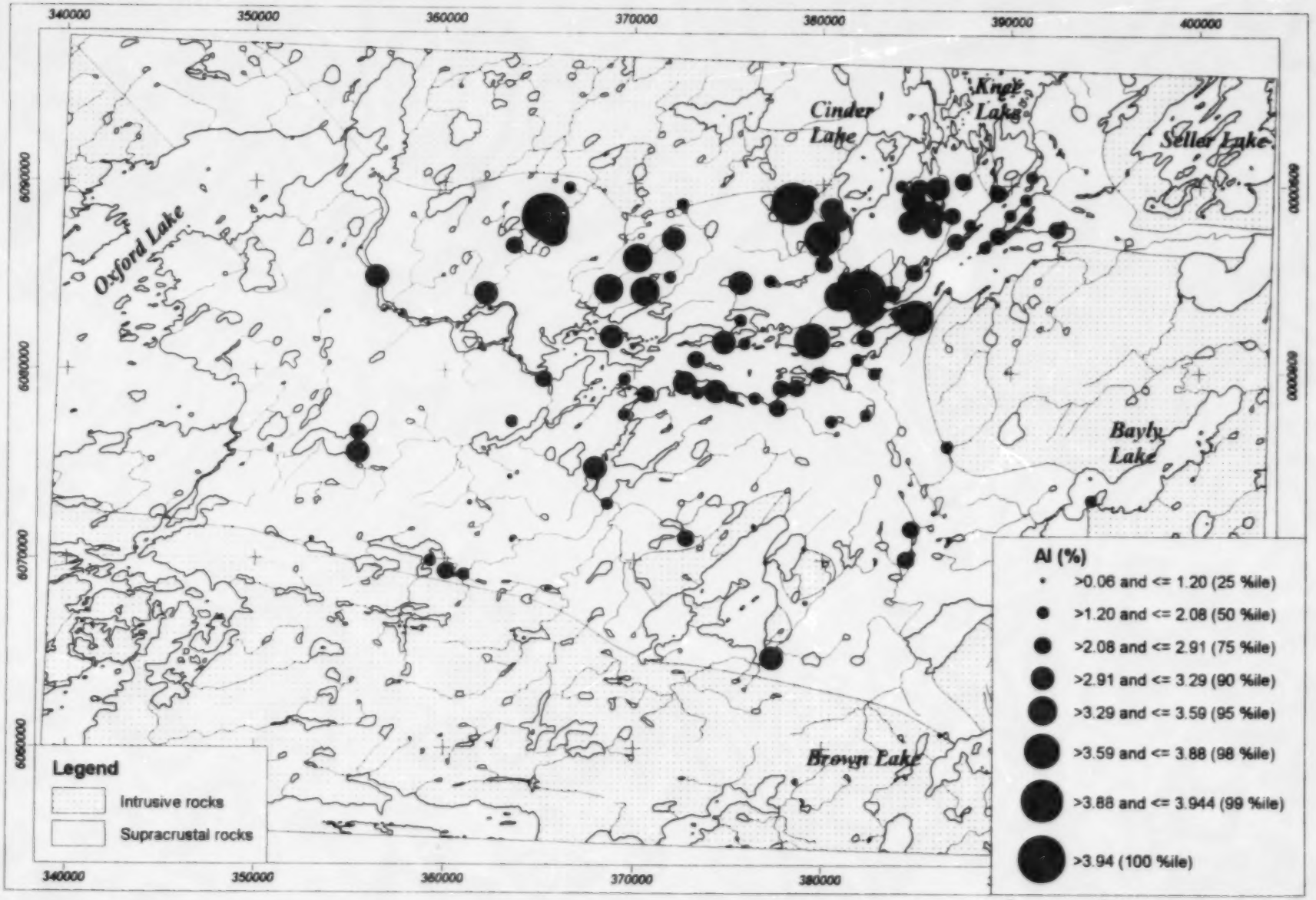
Outcrop rock chips - 114 samples
ICP-AES, H+, Specific Conductance and Hg (FIMS)

Appendix R-4-7

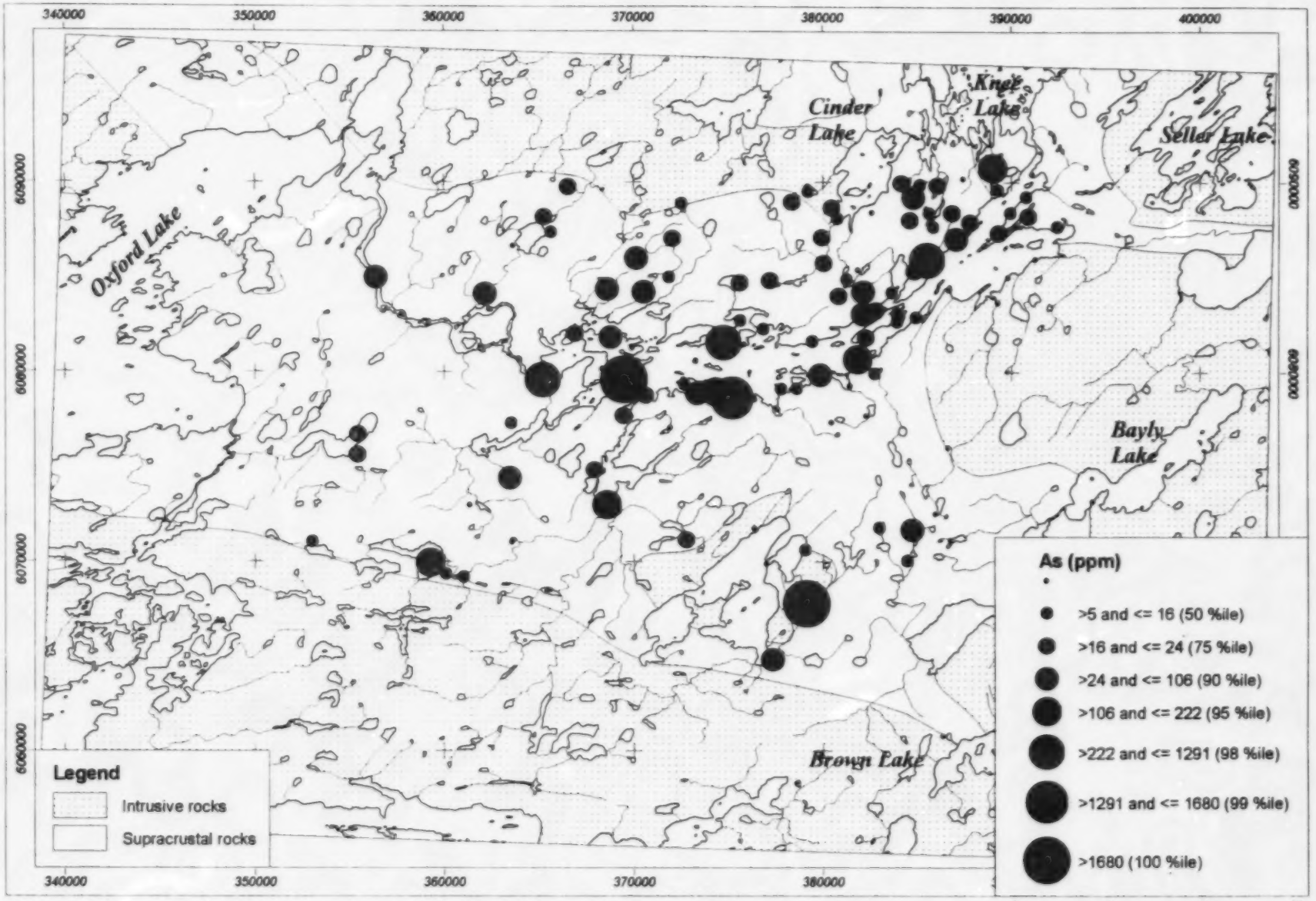


Outcrop rock chips - 114 samples
ICP-AES, H+, Specific Conductance and Hg (FIMS)

Appendix R-4-8

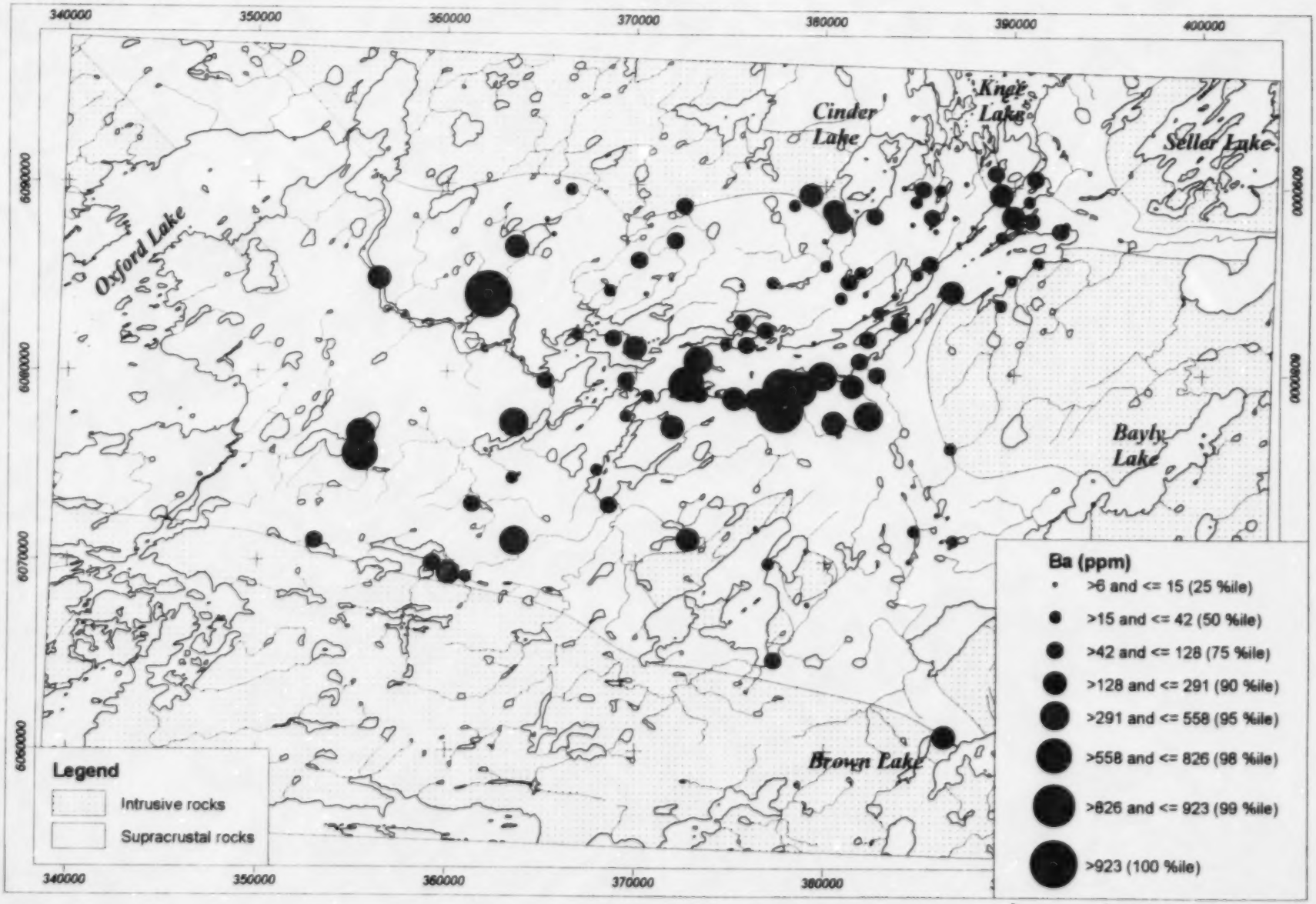


Outcrop rock chips - 114 samples
ICP-AES, H+, Specific Conductance and Hg (FIMS)



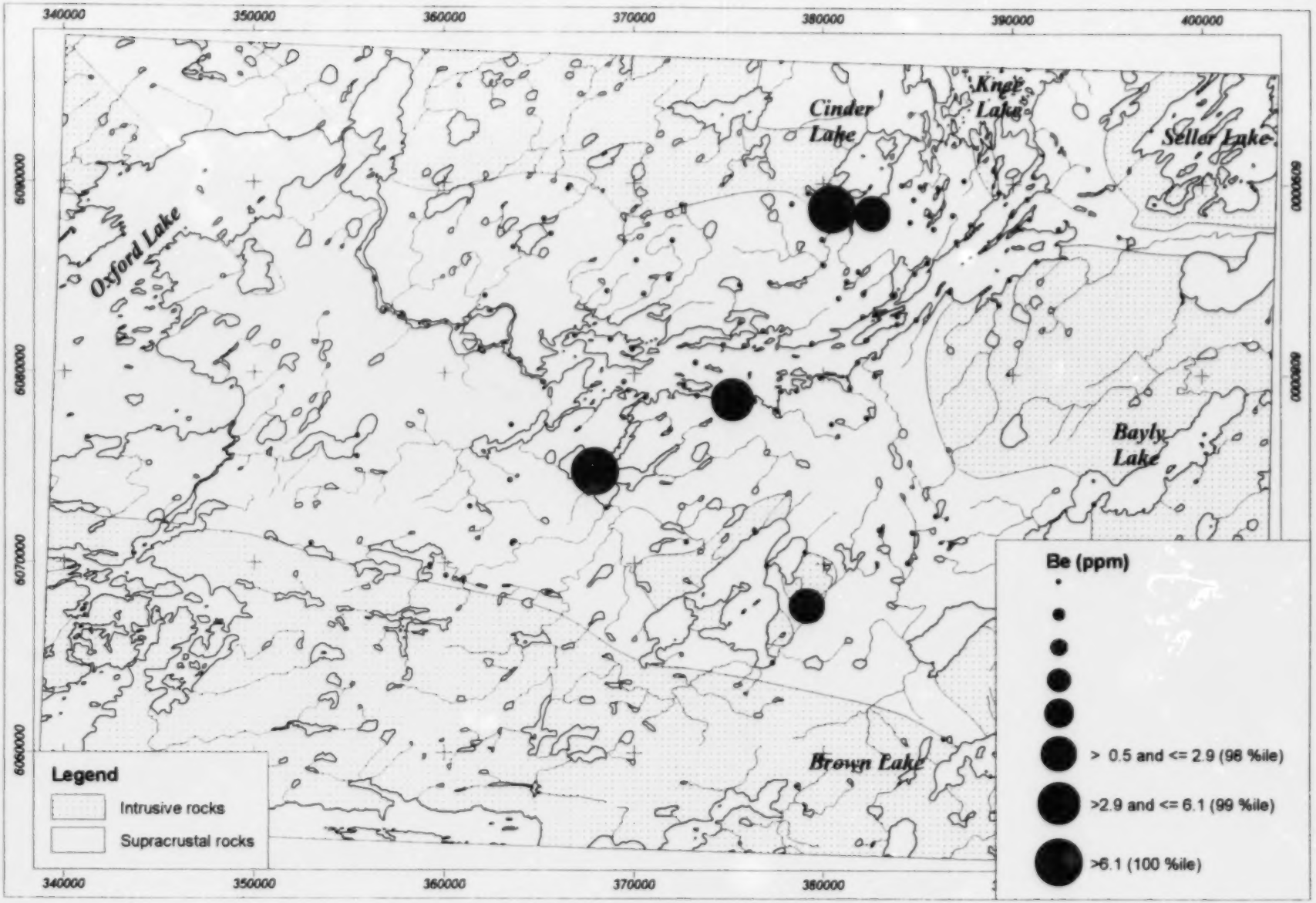
Outcrop rock chips - 114 samples
ICP-AES, H+, Specific Conductance and Hg (FIMS)

Appendix R-4-10



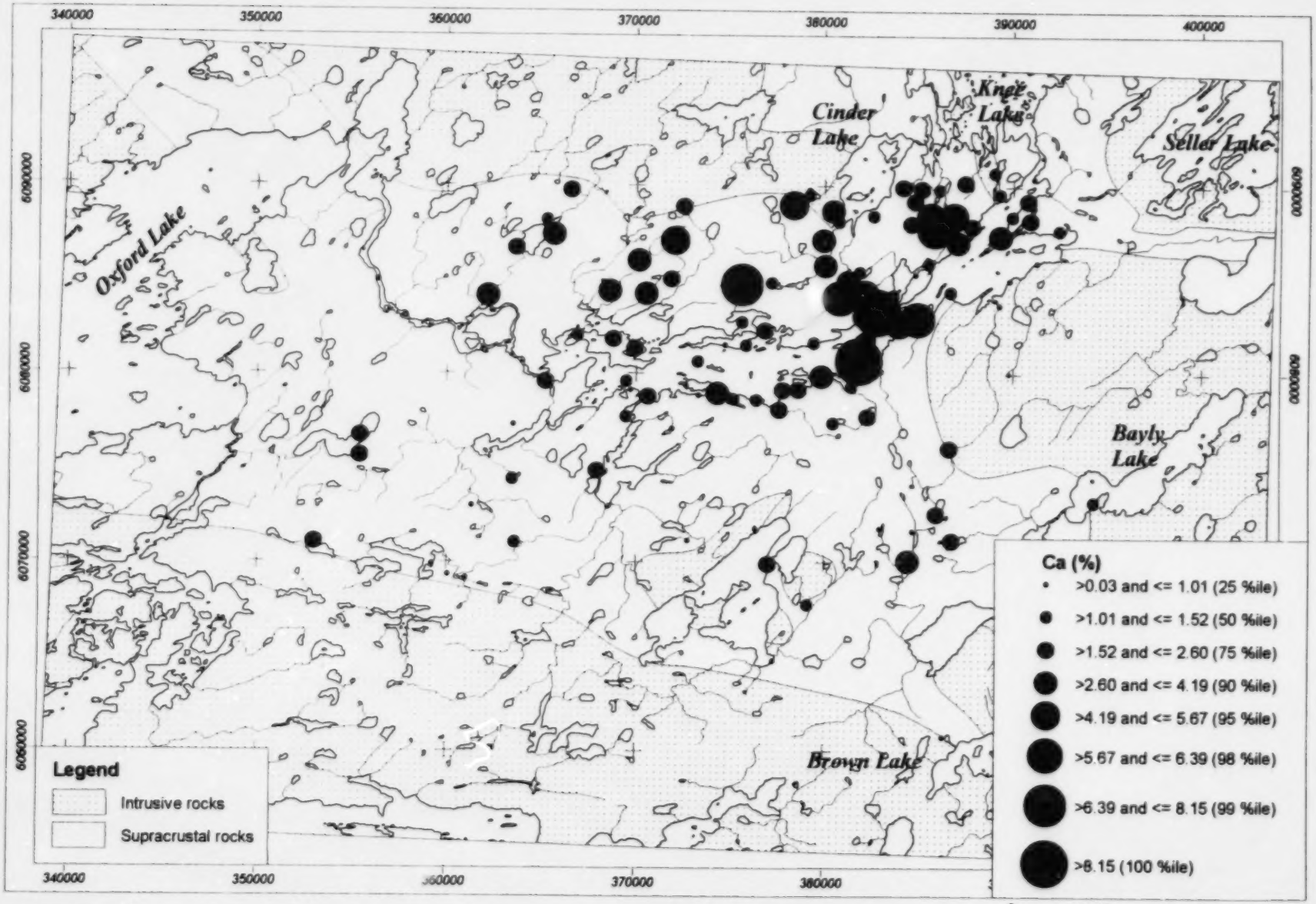
Outcrop rock chips - 114 samples
ICP-AES, H+, Specific Conductance and Hg (FIMS)

Appendix R-4-11



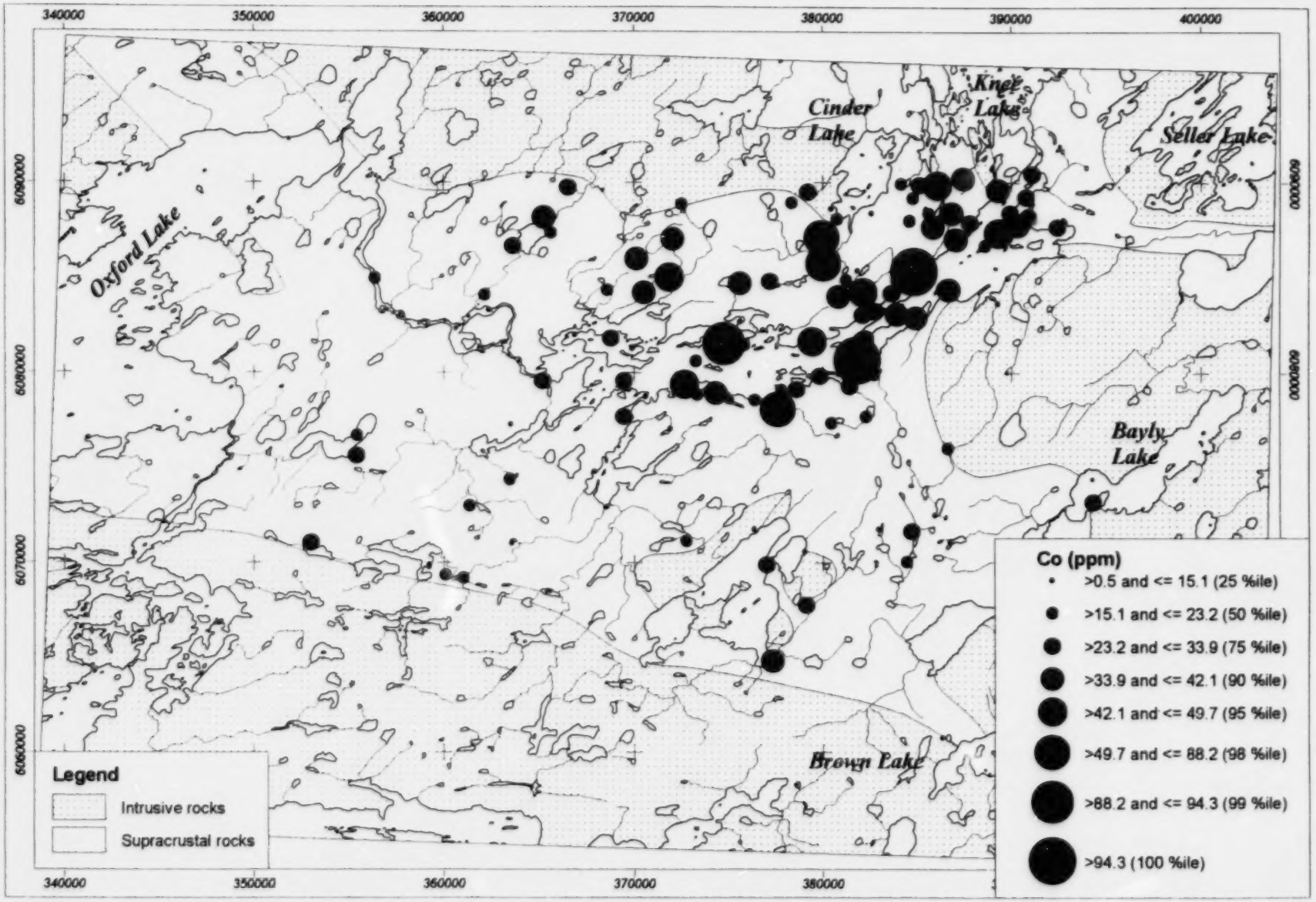
Outcrop rock chips - 114 samples
ICP-AES, H+, Specific Conductance and Hg (FIMS)

Appendix R-4-12



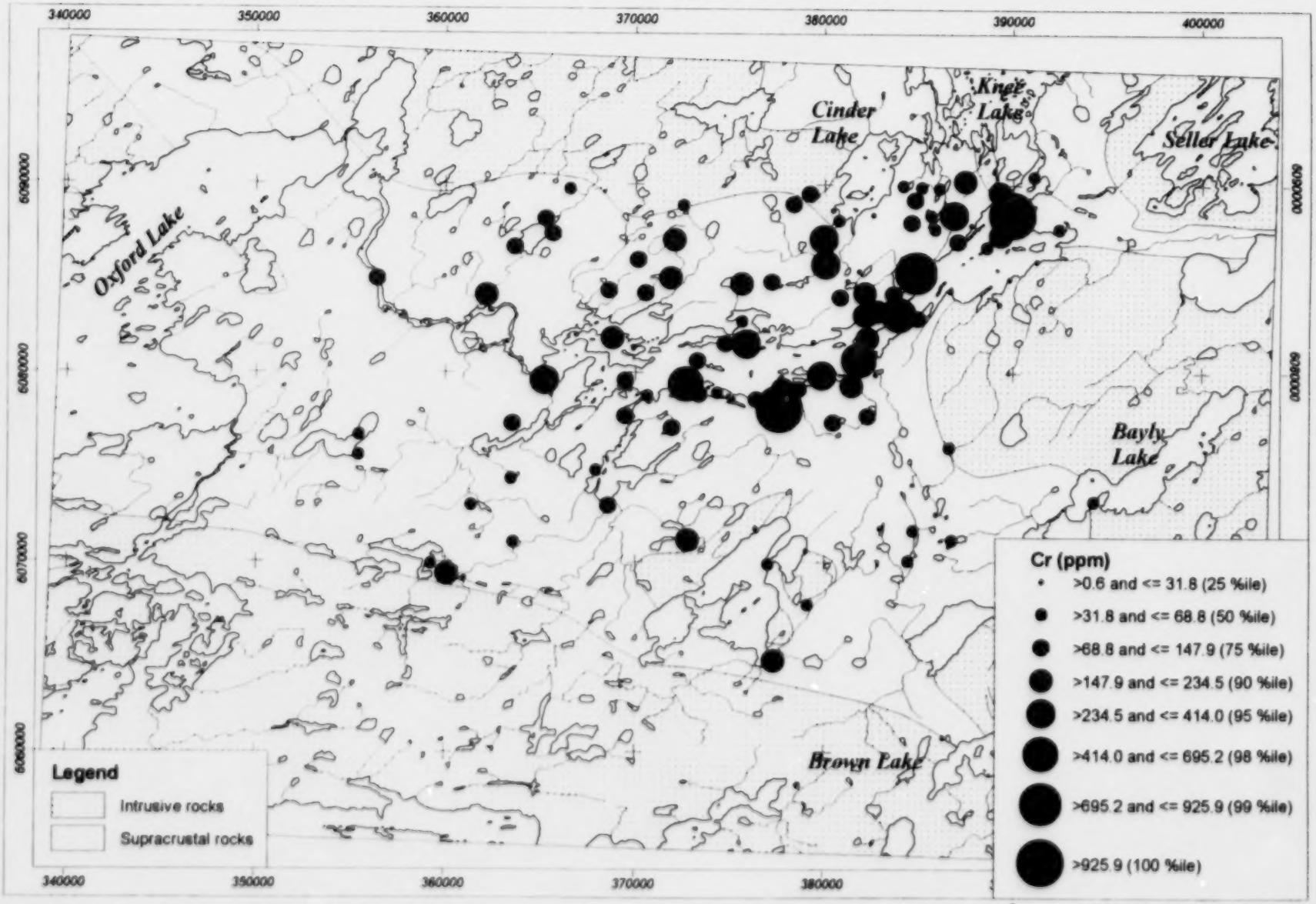
Outcrop rock chips - 114 samples
ICP-AES, H+, Specific Conductance and Hg (FIMS)

Appendix R-4-13

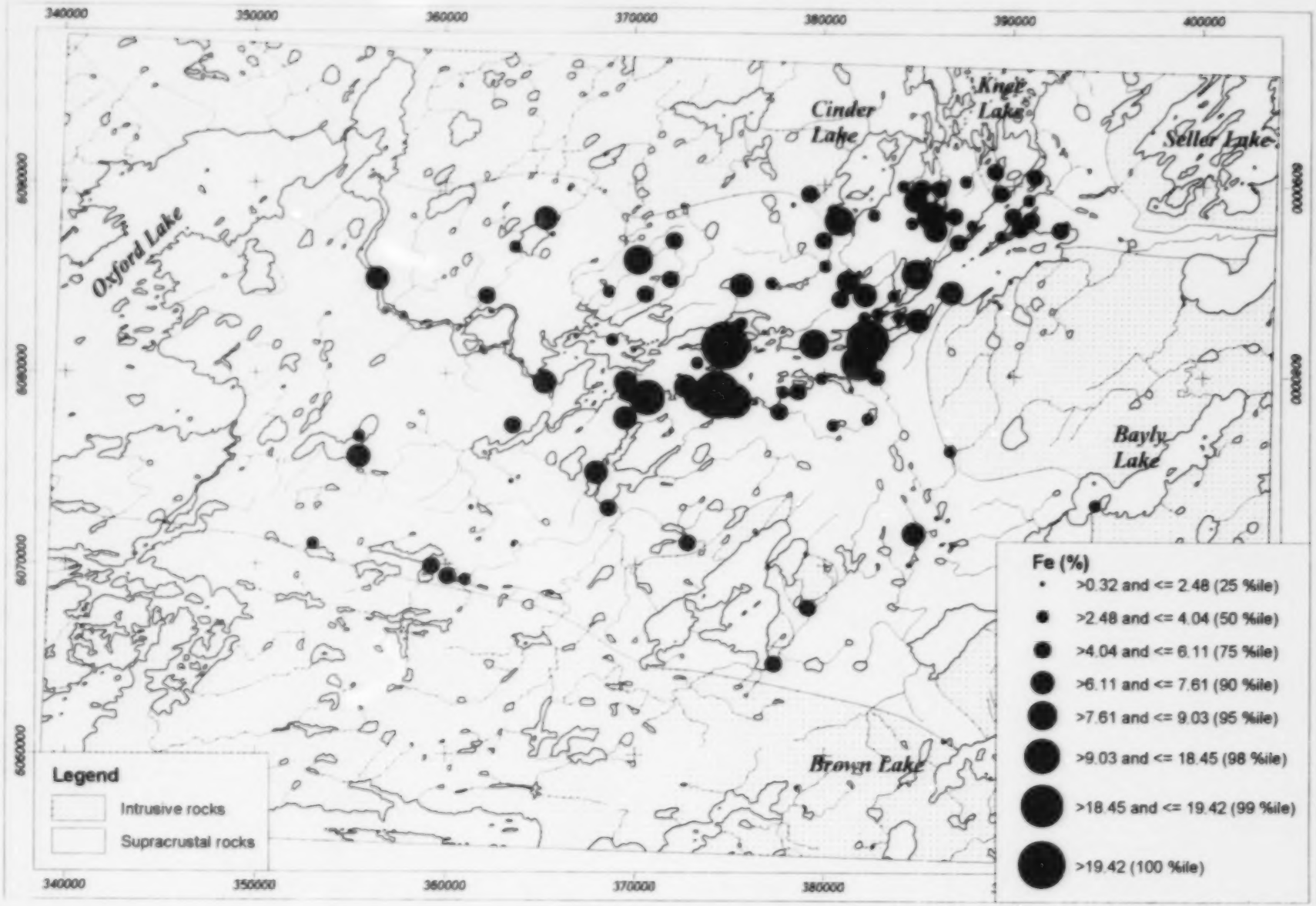


Outcrop rock chips - 114 samples
ICP-AES, H+, Specific Conductance and Hg (FIMS)

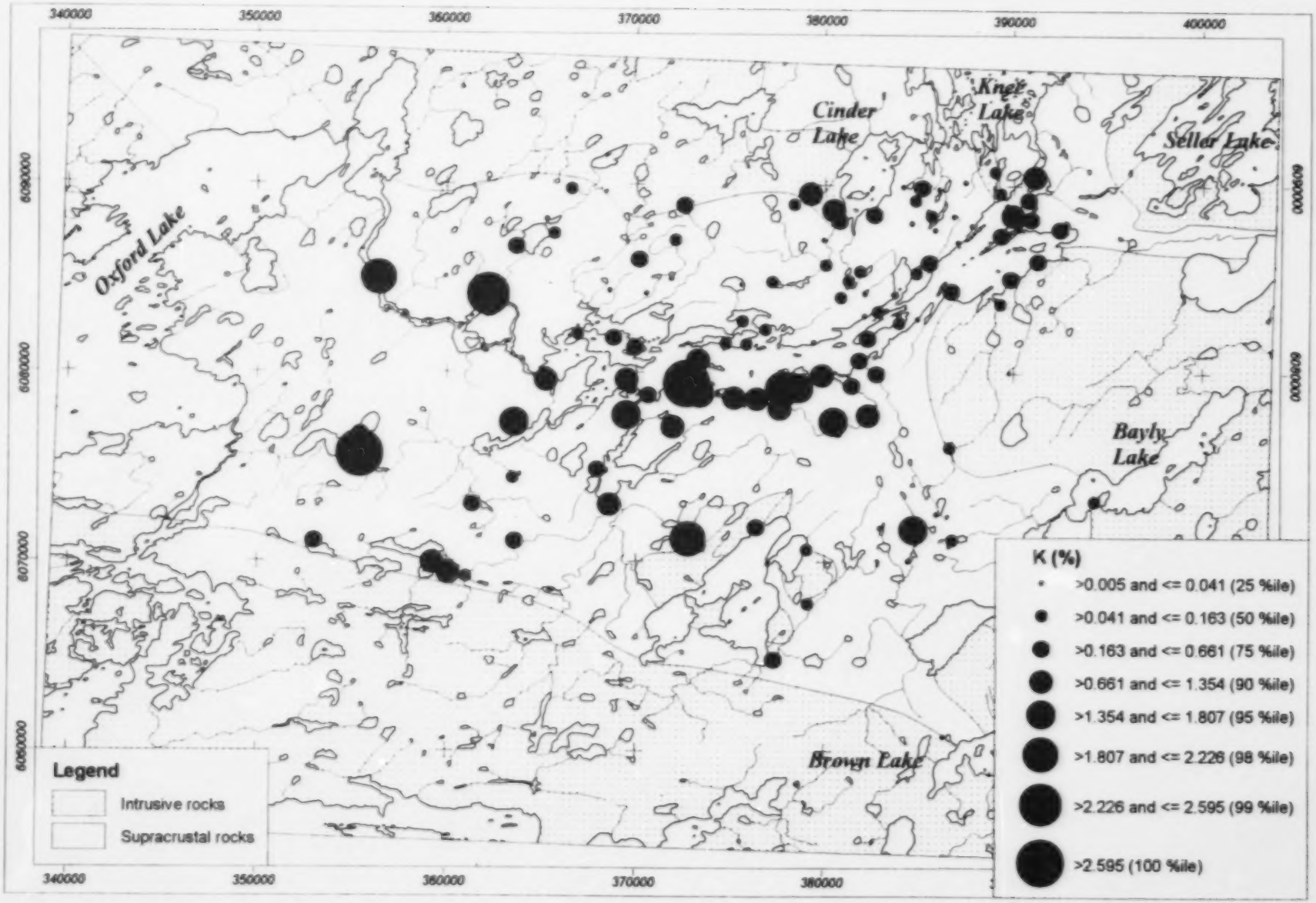
Appendix R-4-14



Outcrop rock chips - 114 samples
ICP-AES, H+, Specific Conductance and Hg (FIMS)

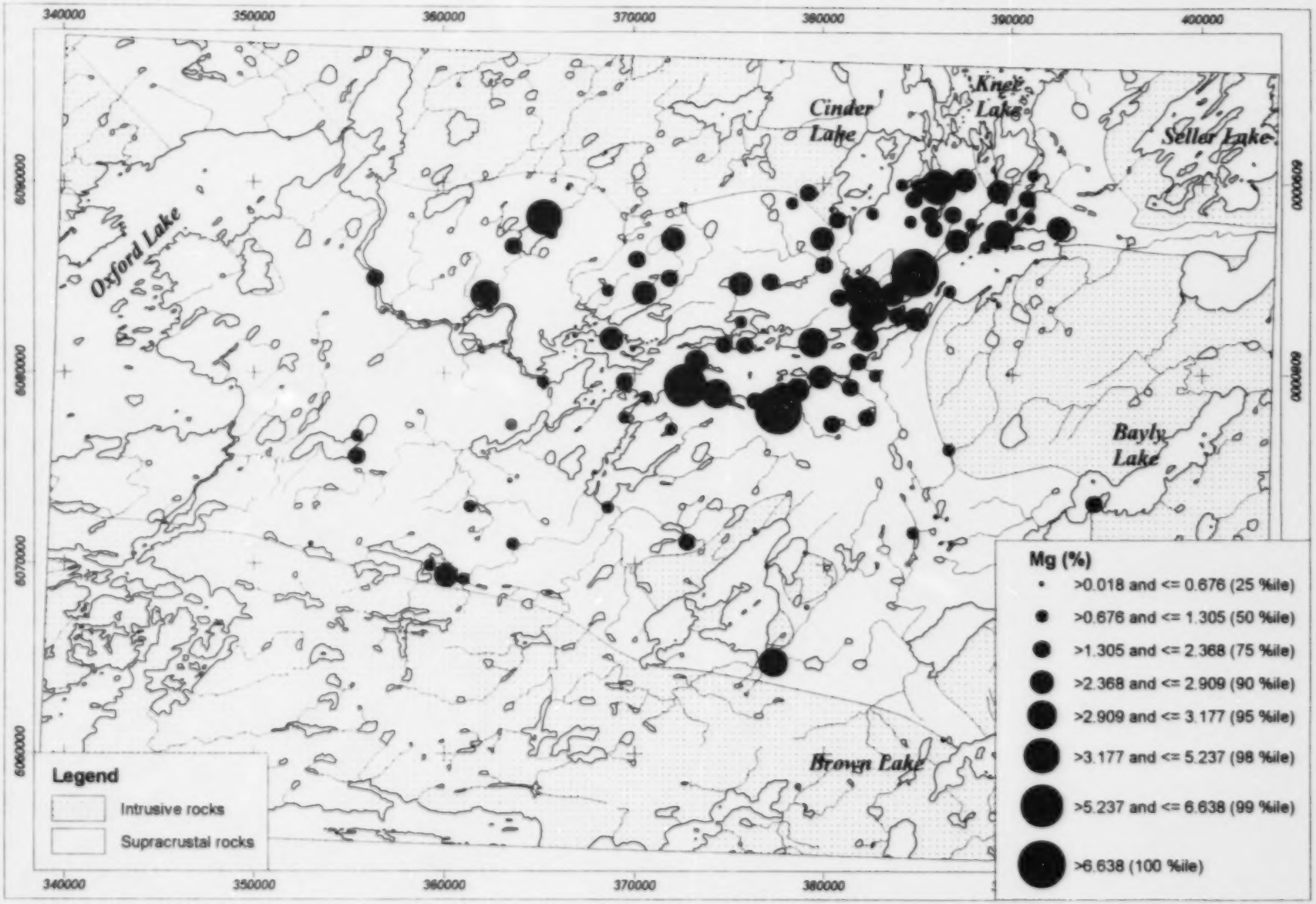


Outcrop rock chips - 114 samples
ICP-AES, H+, Specific Conductance and Hg (FIMS)



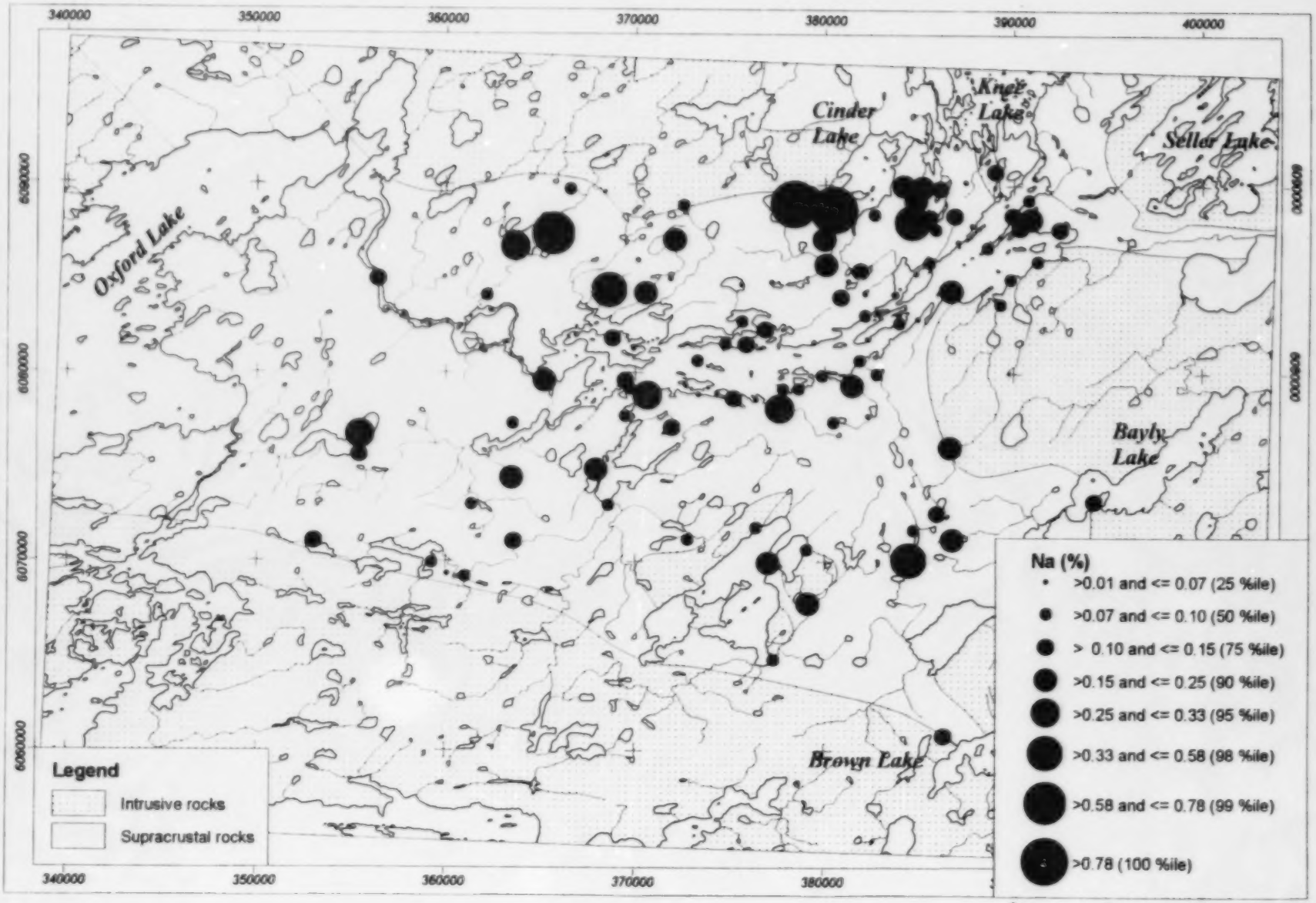
Outcrop rock chips - 114 samples
ICP-AES, H+, Specific Conductance and Hg (FIMS)

Appendix R-4-17

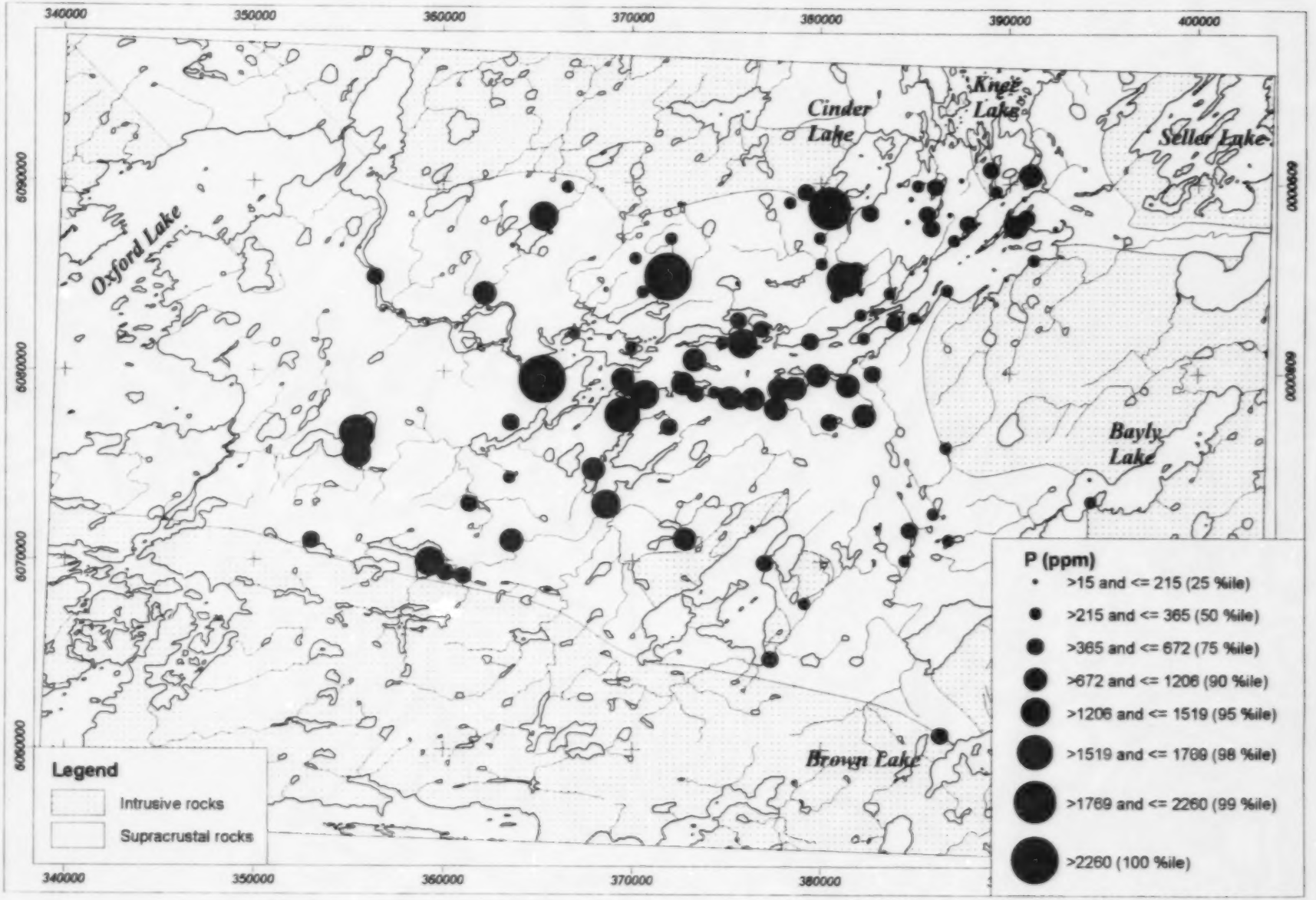


Outcrop rock chips - 114 samples
ICP-AES, H+, Specific Conductance and Hg (FIMS)

Appendix R-4-18

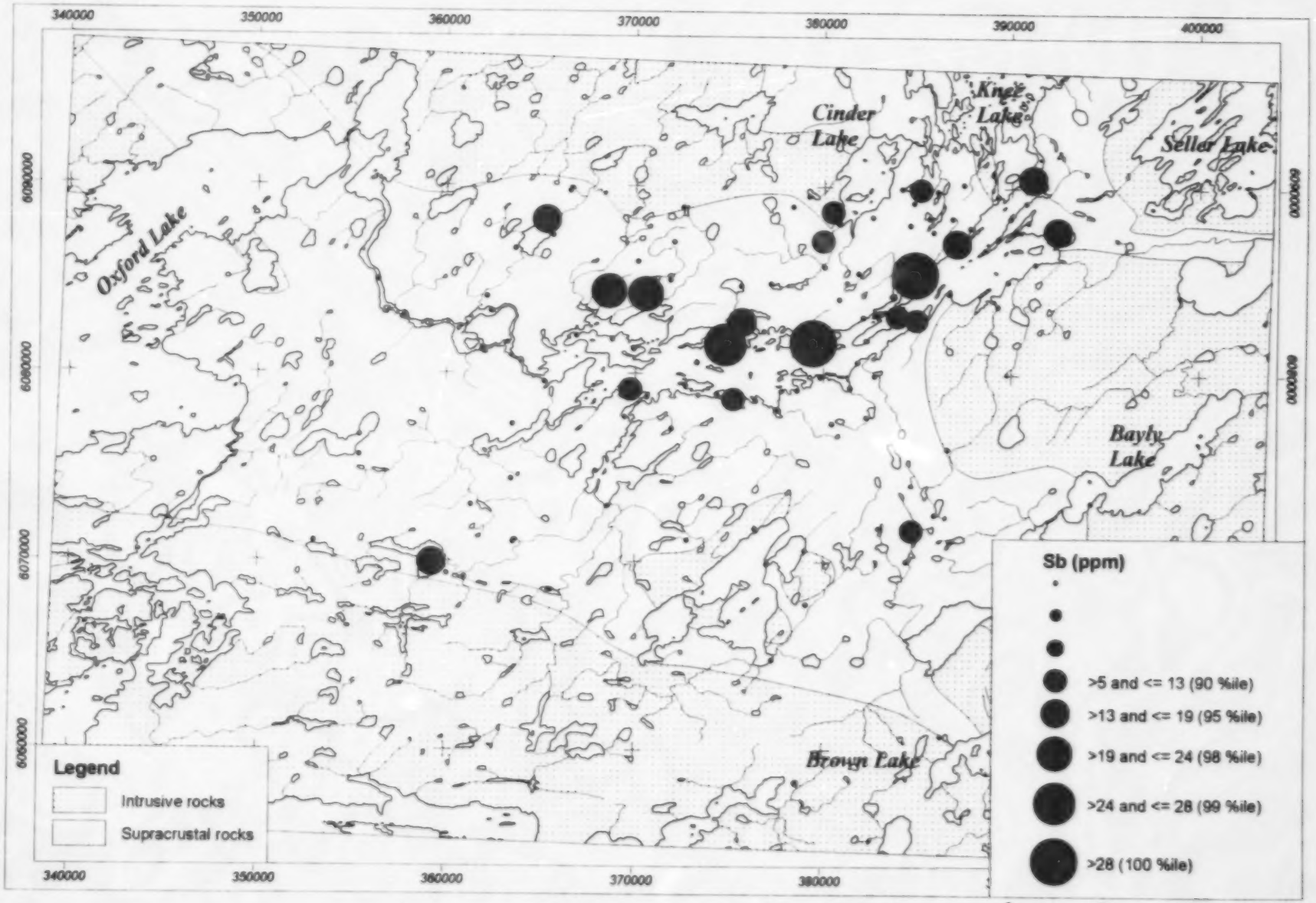


Outcrop rock chips - 114 samples
ICP-AES, H+, Specific Conductance and Hg (FIMS)



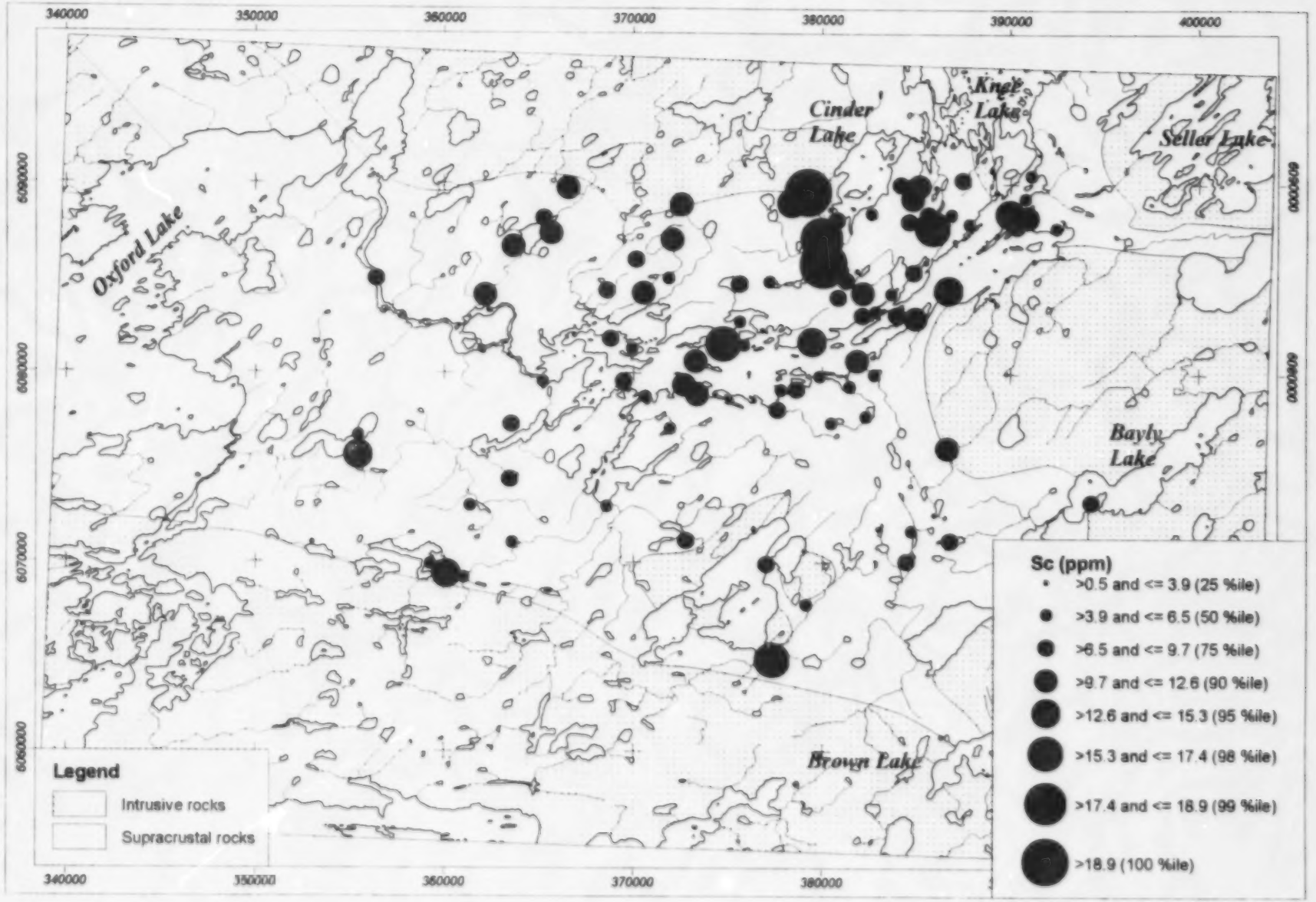
Outcrop rock chips - 114 samples
ICP-AES, H+, Specific Conductance and Hg (FIMS)

Appendix R-4-20

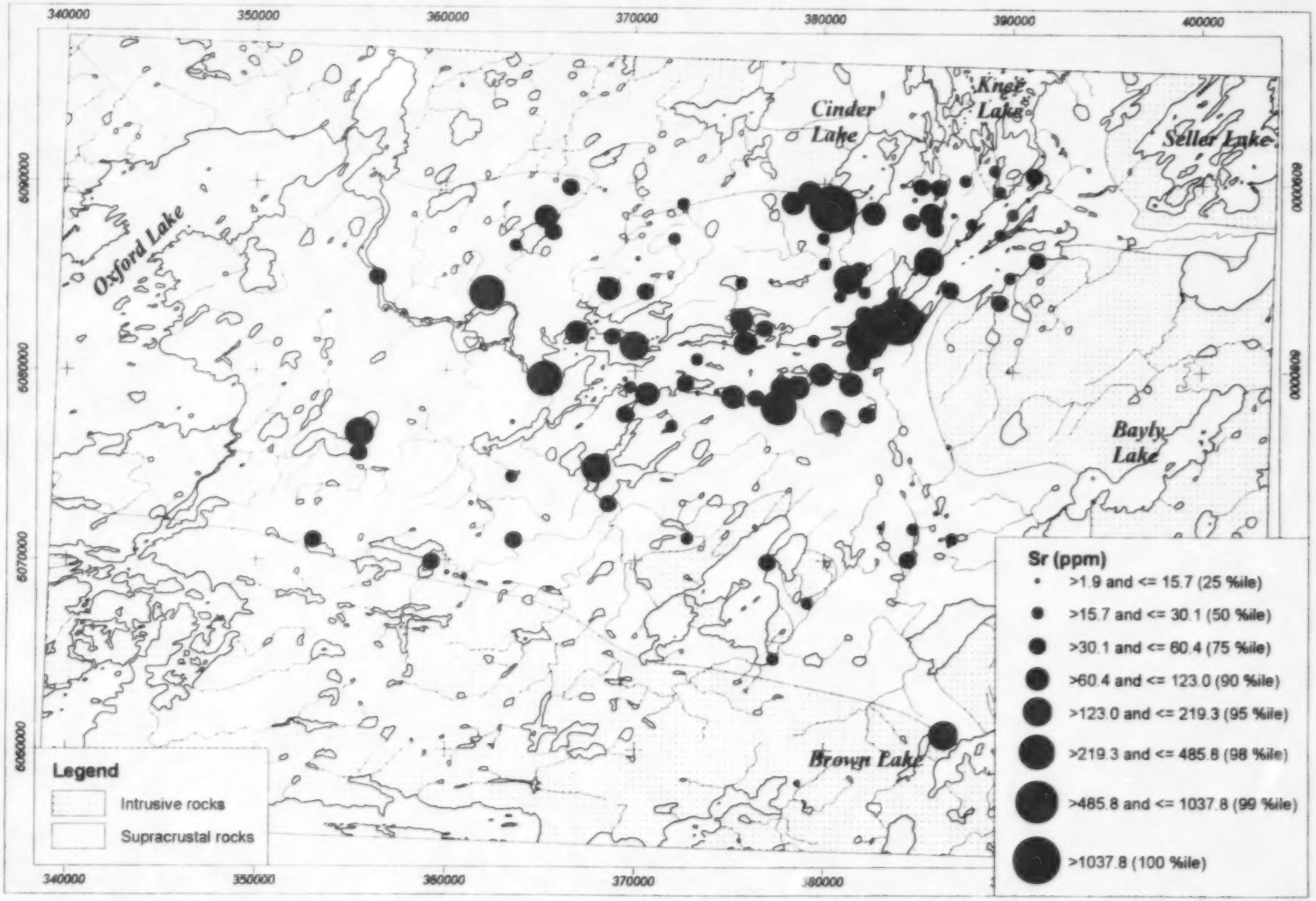


Outcrop rock chips - 114 samples
ICP-AES, H+, Specific Conductance and Hg (FIMS)

Appendix R-4-21

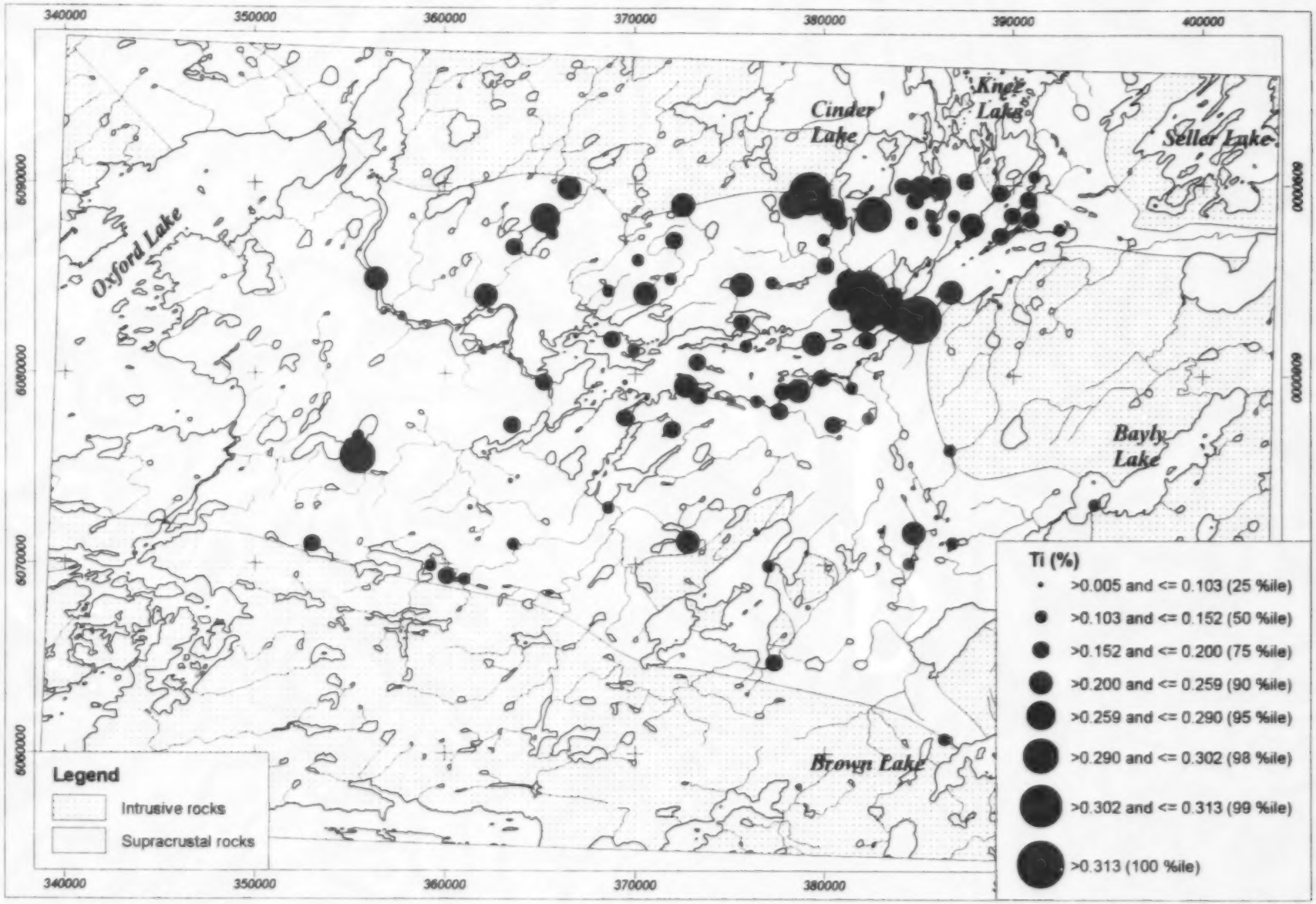


Outcrop rock chips - 114 samples
ICP-AES, H+, Specific Conductance and Hg (FIMS)



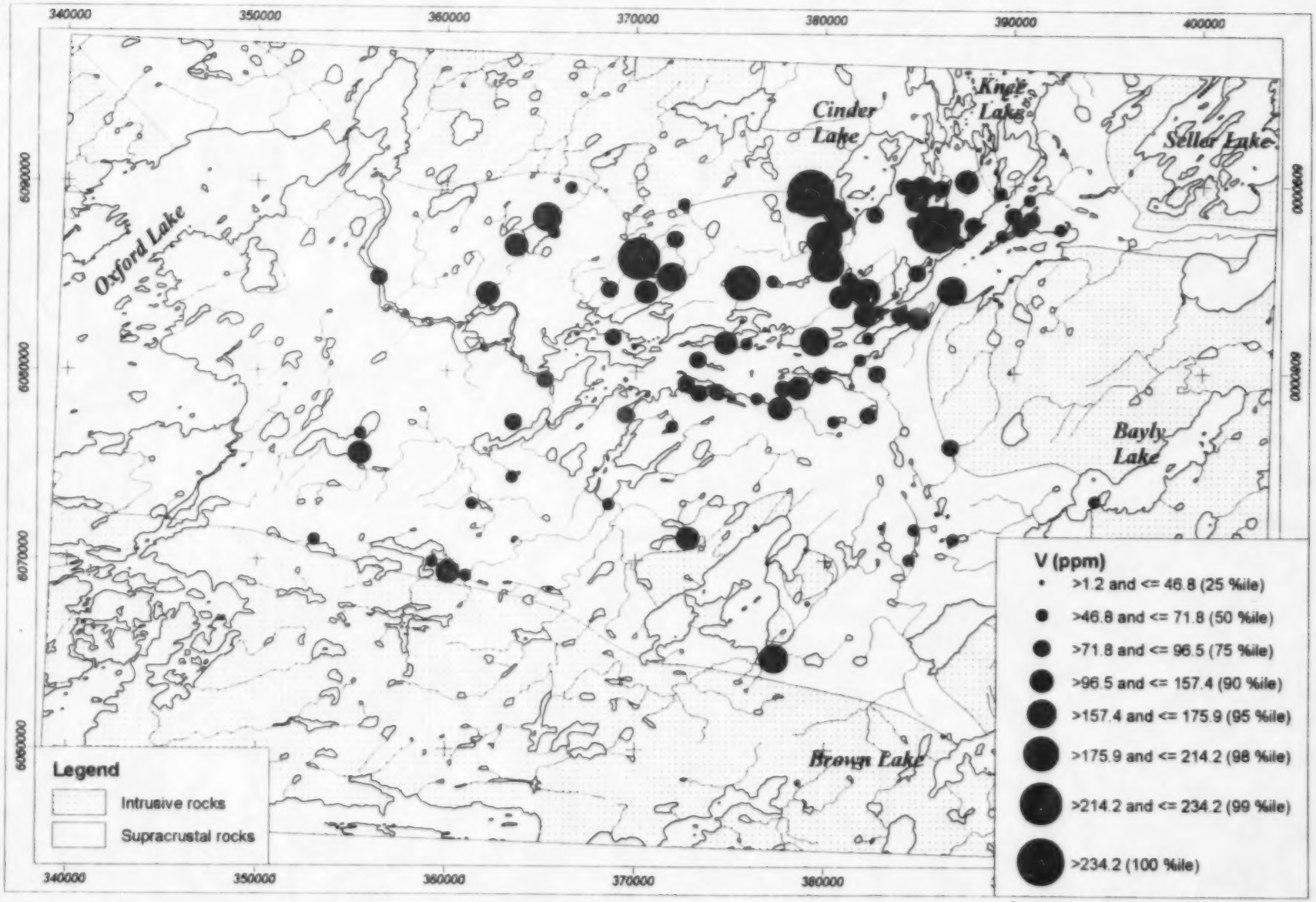
Outcrop rock chips - 114 samples
ICP-AES, H+, Specific Conductance and Hg (FIMS)

Appendix R-4-23



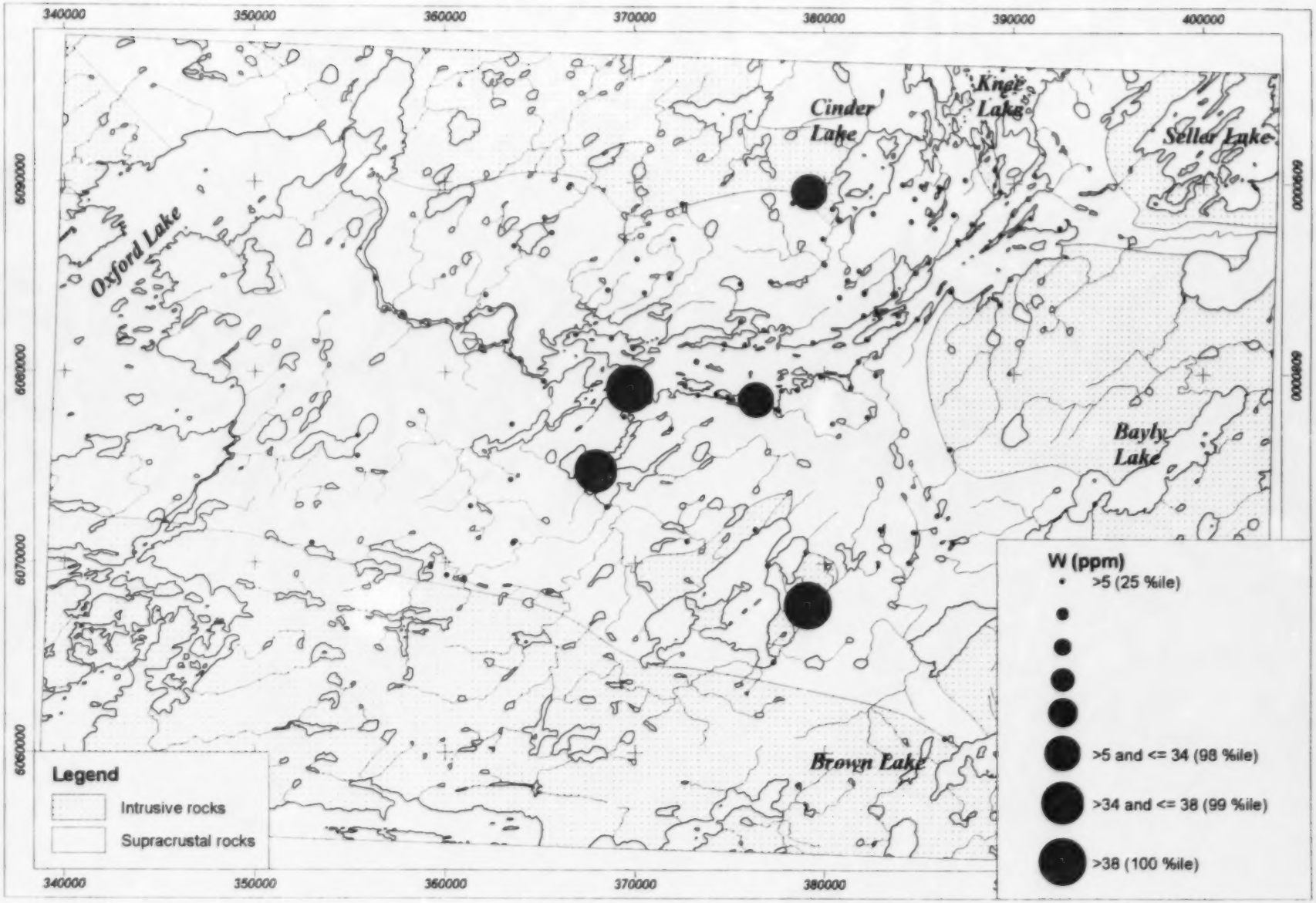
Outcrop rock chips - 114 samples
ICP-AES, H+, Specific Conductance and Hg (FIMS)

Appendix R-4-24



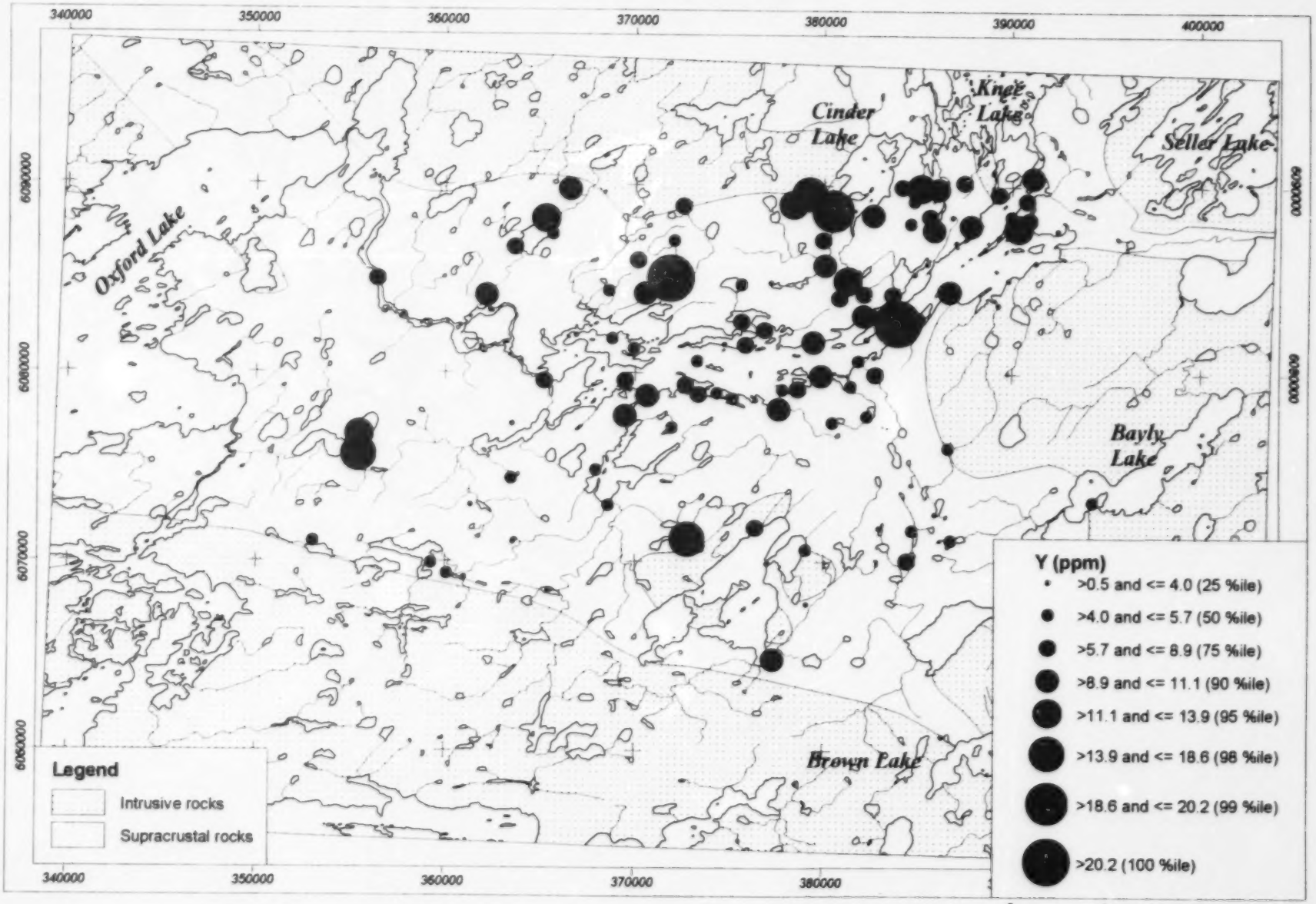
Outcrop rock chips - 114 samples
ICP-AES, H+, Specific Conductance and Hg (FIMS)

Appendix R-4-25

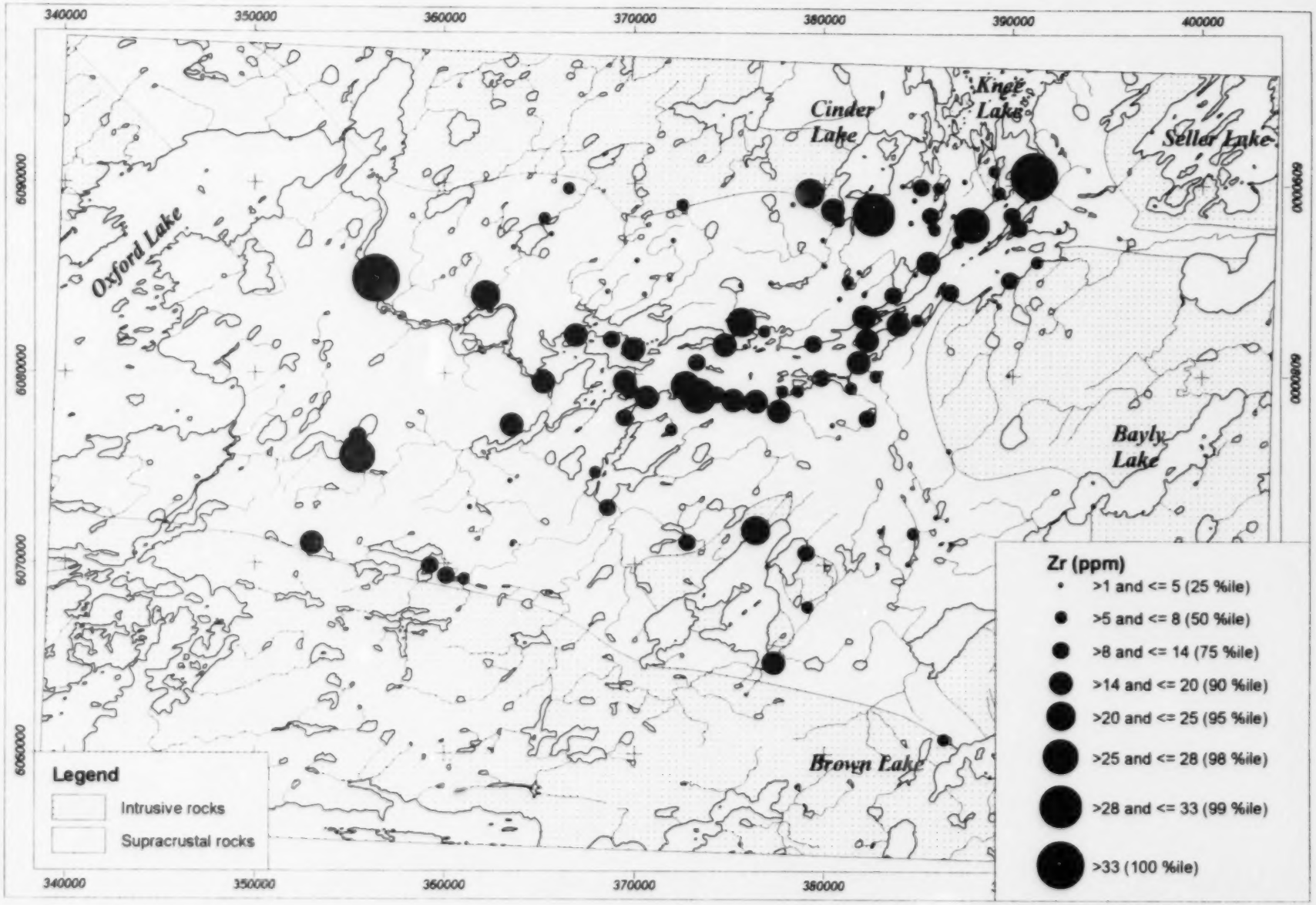


Outcrop rock chips - 114 samples
ICP-AES, H+, Specific Conductance and Hg (FIMS)

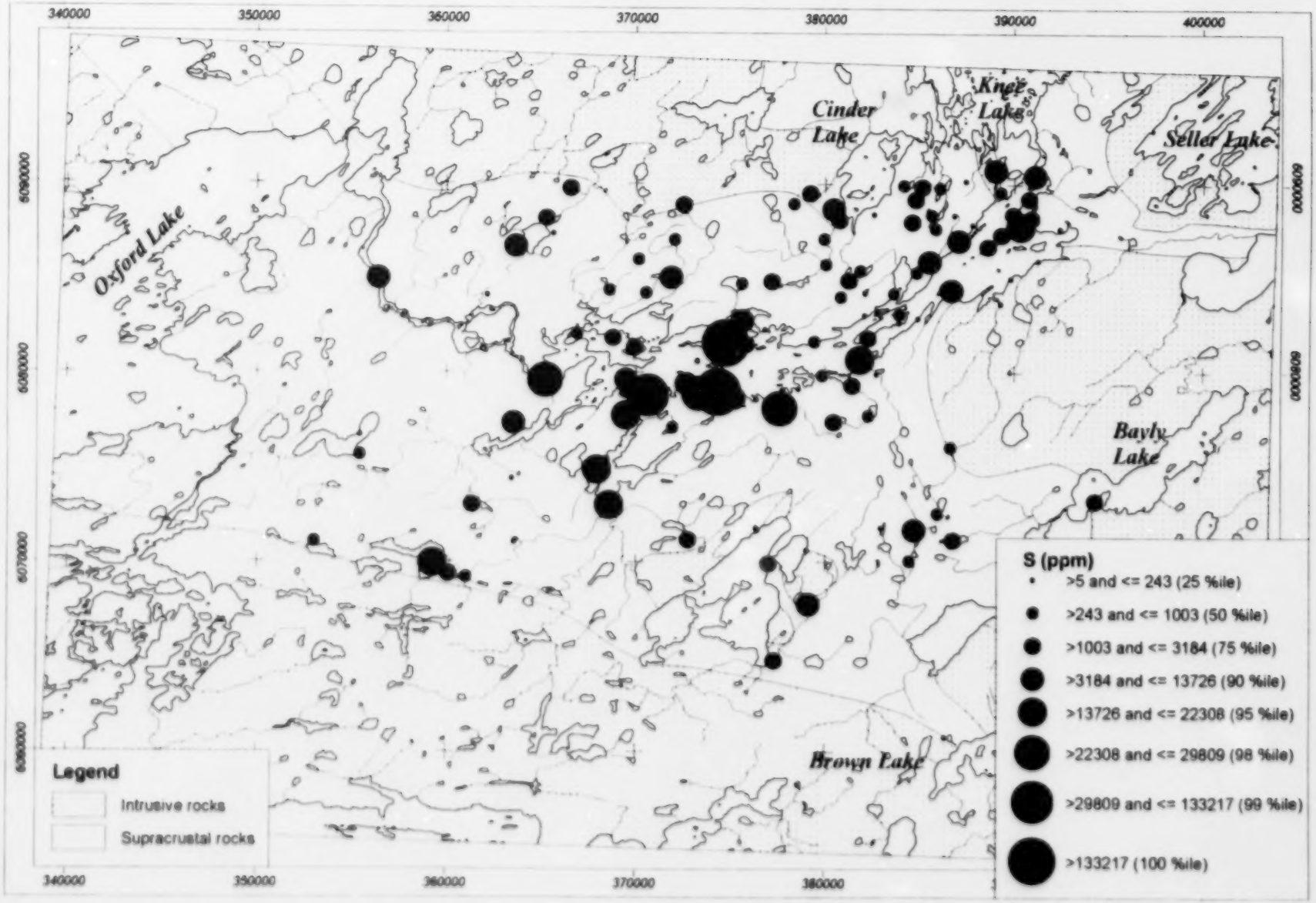
Appendix R-4-26



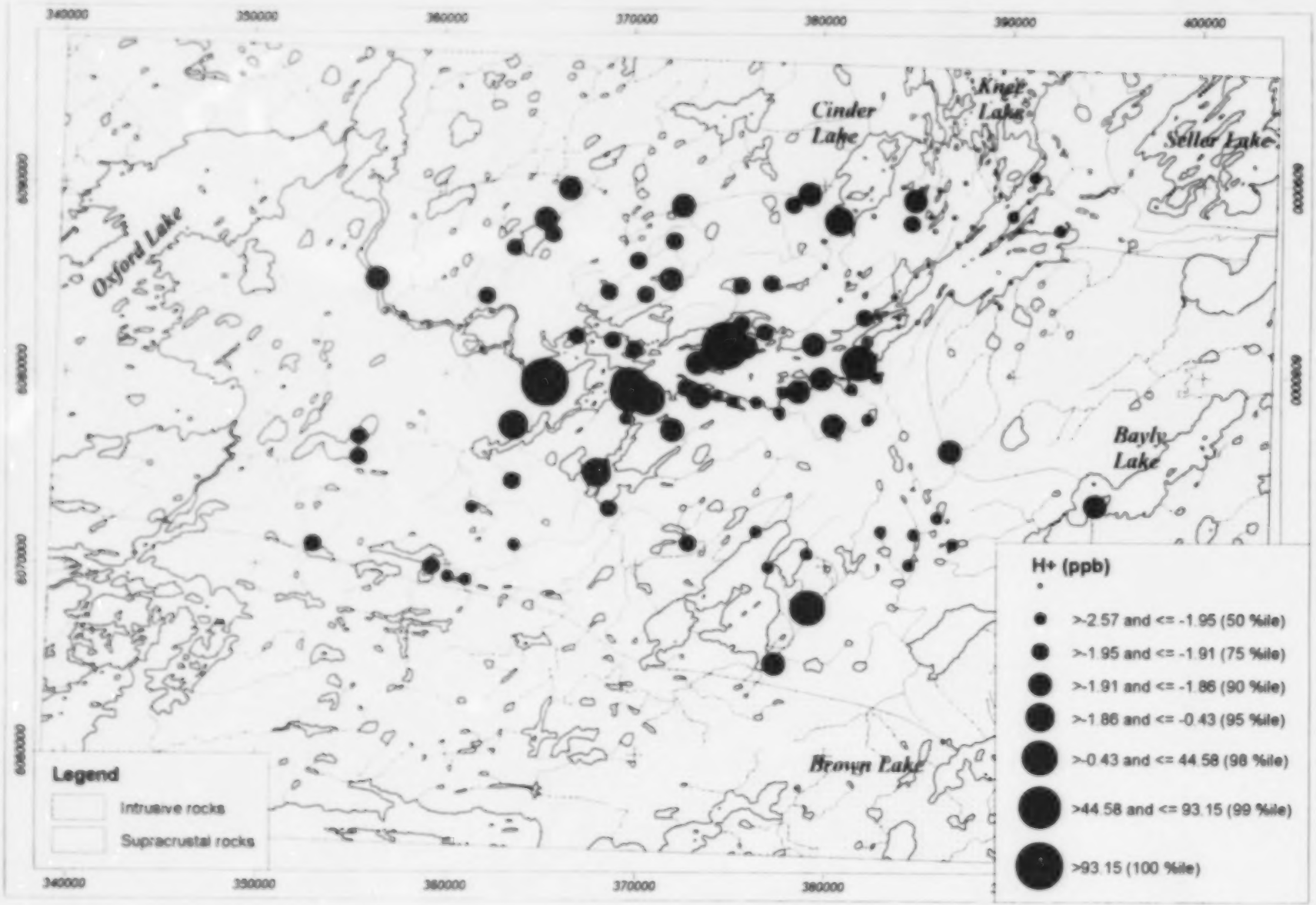
Outcrop rock chips - 114 samples
ICP-AES, H+, Specific Conductance and Hg (FIMS)



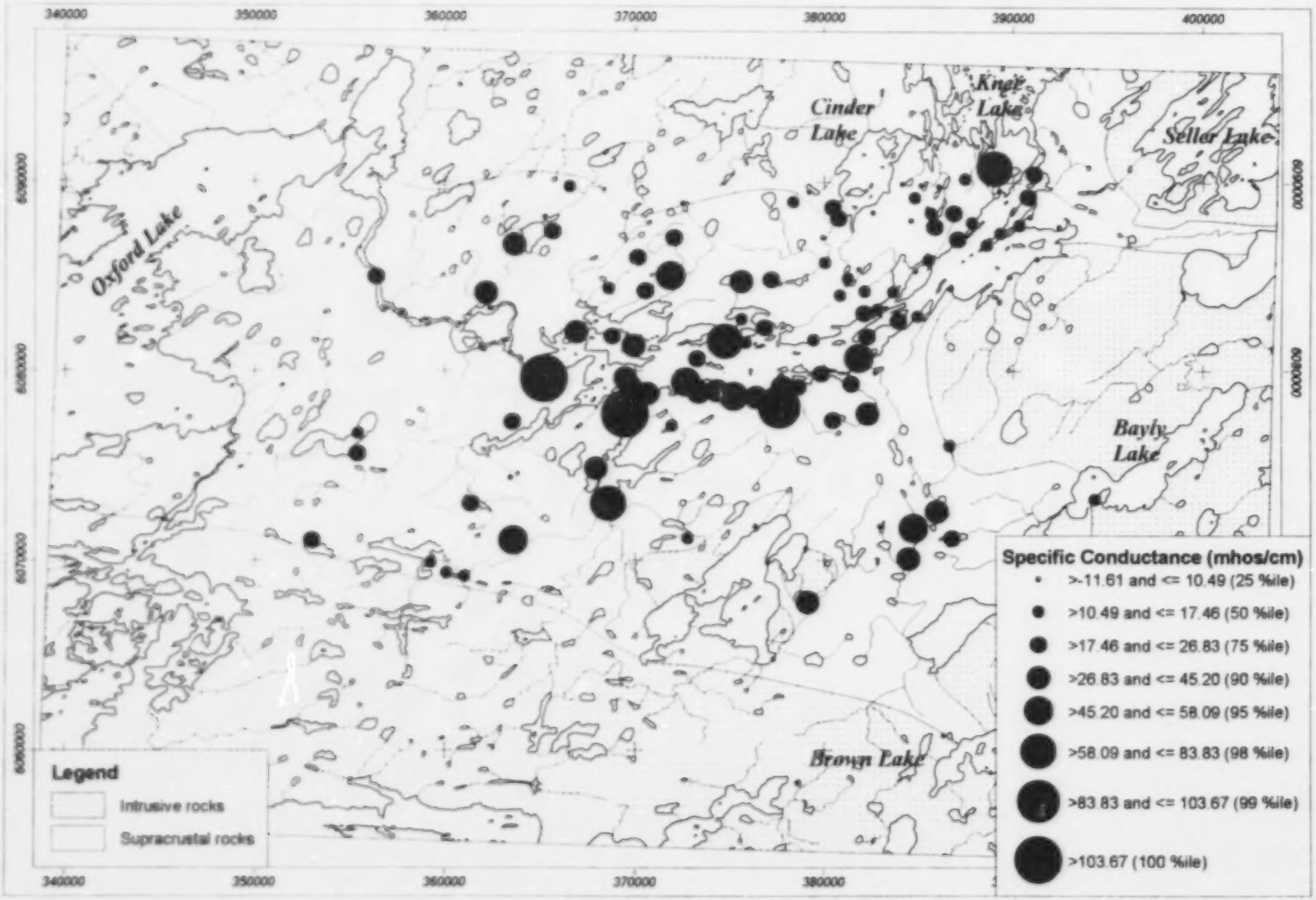
Outcrop rock chips - 114 samples
ICP-AES, H+, Specific Conductance and Hg (FIMS)



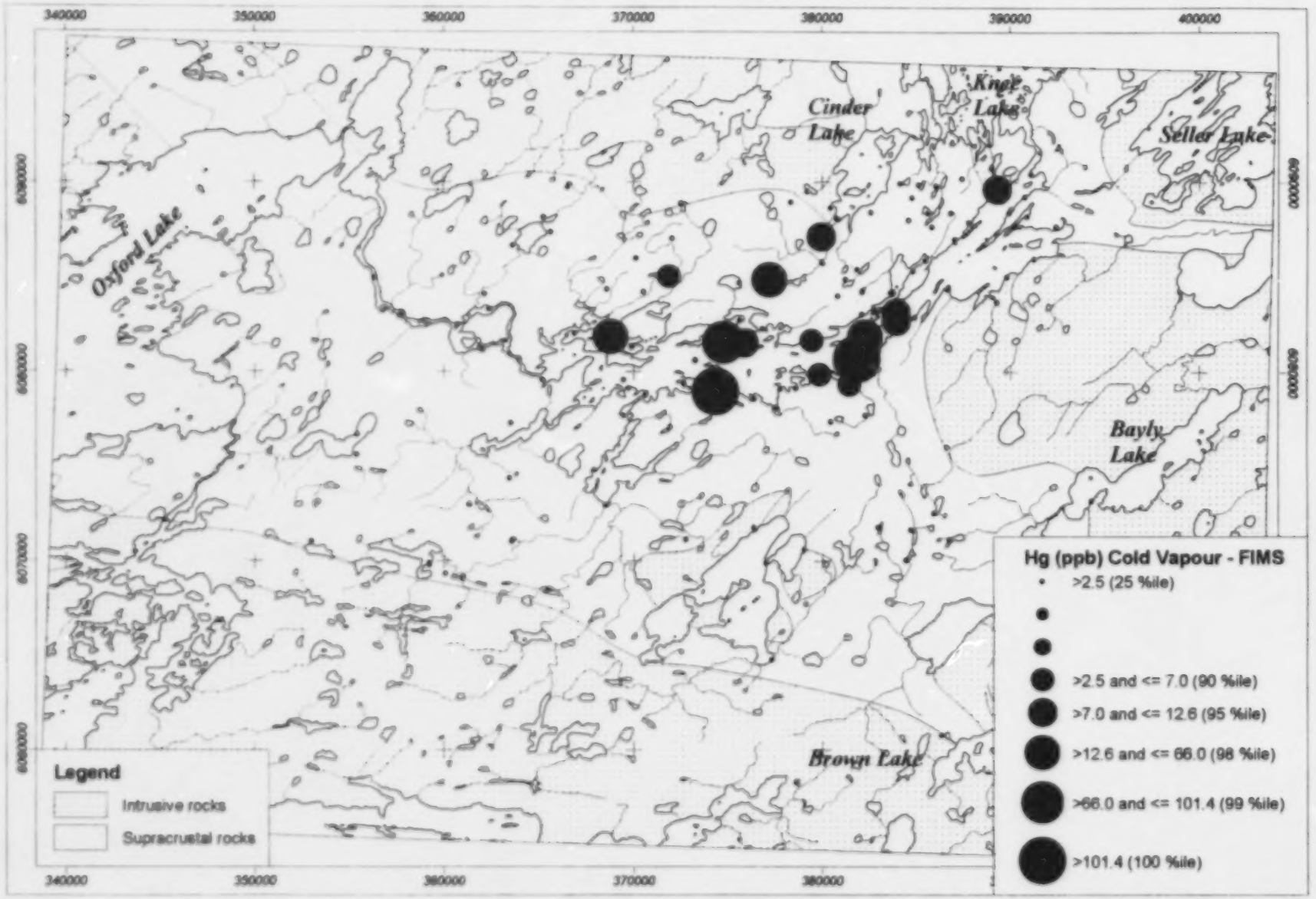
Outcrop rock chips - 114 samples
ICP-AES, H+, Specific Conductance and Hg (FIMS)



Outcrop rock chips - 114 samples
ICP-AES, H+, Specific Conductance and Hg (FIMS)



Outcrop rock chips - 114 samples
ICP-AES, H+, Specific Conductance and Hg (FIMS)



Outcrop rock chips - 114 samples
ICP-AES, H+, Specific Conductance and Hg (FIMS)

Appendix R-5

INA Analyses.

Sample Site	UTM		Au	As	Ba	Br	Ca	Co	Cr	Cs	Fe	Hf	Mo	Na	Ni	Rb	Sb	Sc	Sr	Ta	Th
	Easting	Northing	ppb	ppm	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm
99R-2	379928.11	6087059.58	1	1.3	80	10.5	6	58	360	1	7.1	1	1	2.2	145	8	0.1	45.1	0.03	0.3	0.1
99R-5	386340.97	6060776.00	1	0.3	1300	0.3	1	6	3	1	1.7	3	1	6.3	21	8	0.1	3.3	0.03	0.3	4.7
99R-7	380012.55	6085720.22	4	3.0	120	0.3	6	81	317	1	4.6	2	1	2.8	110	8	0.1	37.7	0.03	0.3	0.1
99R-8	381843.70	6085393.08	1	3.7	260	0.3	2	12	17	1	1.4	4	1	5.1	25	37	0.3	4.6	0.03	2.6	6.1
99R-9	381226.37	6084881.63	1	3.0	400	0.3	3	18	15	2	8.2	4	1	2.4	20	8	0.1	17.2	0.03	0.3	4.2
99R-10	380814.98	6083990.92	5	1.2	250	0.3	7	42	154	2	6.7	1	1	2.5	84	35	0.1	31.4	0.03	0.3	0.1
99R-11	382124.73	6084199.82	1	2.8	60	0.3	6	47	173	1	8.0	1	1	1.8	98	8	0.1	34.0	0.03	0.3	0.1
99R-12	384139.45	6089907.45	1	1.8	25	0.3	8	50	212	1	8.9	2	1	2.5	112	8	0.1	39.6	0.03	0.3	0.1
99R-13	385120.09	6089836.36	1	1.8	180	0.3	7	52	92	6	10.2	2	9	1.9	89	8	0.1	41.7	0.03	0.3	0.5
99R-14	386060.67	6089790.62	1	1.9	300	1.6	6	78	159	1	9.8	2	1	1.7	354	8	0.2	34.4	0.03	0.3	0.4
99R-15	385609.68	6088356.80	1	2.4	250	1.6	4	18	66	1	9.9	3	2	1.7	106	8	0.1	11.7	0.03	0.3	5.2
99R-17	386831.55	6088342.61	1	2.6	25	1.8	7	46	345	1	6.6	1	1	2.6	175	8	0.8	36.5	0.03	0.3	0.8
99R-20	385498.35	6085864.44	59	657.0	820	0.3	1	1	3	2	0.9	2	1	4.1	21	8	0.3	1.8	0.03	0.3	3.5
99R-21	384823.47	6085301.09	1	21.9	25	0.3	2	132	2700	5	10.4	1	1	0.1	1120	8	1.8	17.2	0.03	0.3	0.6
99R-22	383626.62	6084172.60	1	3.5	80	0.3	6	42	213	2	6.5	2	1	2.0	108	8	1.0	37.3	0.03	0.3	2.0
99R-23	382797.60	6083251.65	1	3.6	260	0.3	10	39	278	1	4.9	1	1	1.3	134	40	0.2	27.0	0.03	0.3	0.6
99R-24	383922.80	6083064.31	1	0.3	25	0.3	4	53	582	1	5.7	1	1	3.1	175	56	0.8	41.0	0.03	0.3	1.0
99R-26	389273.35	6089551.83	1	1.1	1800	0.3	7	53	291	1	7.3	2	1	1.1	152	51	0.1	33.1	0.03	0.3	0.7
99R-28	391096.14	6090415.34	7	0.3	1200	0.3	1	23	119	4	4.8	3	1	1.2	117	98	0.4	20.0	0.03	0.3	8.6
99R-29	390765.20	6089215.18	5	2.9	100	0.3	7	41	87	3	7.1	1	1	2.8	62	8	0.1	42.4	0.03	0.3	0.1
99R-30	389922.08	6088381.30	1	1.5	210	0.3	6	44	2280	7	10.1	1	13	1.9	320	8	0.5	30.2	0.03	0.3	2.6
99R-31	387776.64	6087871.04	1	20.0	95	0.3	6	37	28	2	5.9	2	1	2.5	71	8	0.8	38.9	0.03	0.3	2.7
99R-32	389281.25	6087309.72	1	2.1	70	0.3	10	52	352	3	6.7	1	1	2.5	278	37	0.5	27.9	0.03	0.3	0.1
99R-33	387035.08	6086978.20	1	39.9	25	0.3	8	42	197	1	7.9	2	3	1.9	53	8	0.6	38.8	0.03	0.3	2.7
99R-34	388567.46	6086677.37	1	0.3	25	0.3	9	40	311	1	8.1	1	6	1.4	200	8	0.5	26.9	0.03	0.3	0.3
99R-35	390865.79	6088176.15	1	1.7	120	0.3	7	49	133	4	11.2	2	1	2.0	65	23	0.1	43.0	0.03	0.3	1.0
99R-36	390299.61	6087715.51	1	2.5	25	0.3	4	44	14	1	9.8	4	1	4.5	21	8	0.1	42.8	0.03	0.3	1.7
99R-38	392410.86	6087648.10	1	0.3	180	0.3	6	70	182	3	14.2	2	1	0.7	168	23	0.2	31.8	0.03	0.3	0.7
99R-42	391238.39	6085940.29	1	1.2	420	0.3	3	7	20	4	1.5	2	1	4.3	25	53	0.2	4.4	0.03	0.3	1.9
99R-43	389804.68	6084999.49	1	0.8	630	0.3	2	2	3	5	0.9	2	1	4.3	16	76	0.1	1.2	0.03	0.3	1.2
99R-44	389261.00	6083667.72	5	1.2	570	9.9	1	2	3	1	0.7	2	1	4.4	16	86	0.1	1.8	0.03	0.3	0.9
99R-45	386653.33	6084343.11	1	1.7	1300	0.3	5	58	42	1	13.0	2	1	3.4	29	8	0.2	51.6	0.03	0.3	8.3
99R-47	384919.22	6082875.51	2	2.7	25	0.3	9	45	176	1	9.6	2	1	0.3	79	8	0.1	45.4	0.03	0.3	0.1
99R-48-1 Field Duplicate	383904.64	6082648.05	4	3.6	540	0.3	2	4	22	3	1.4	2	1	4.2	17	33	1.3	3.1	0.03	0.3	1.3
99R-48-2 Field Duplicate	383904.64	6082648.05	1	1.7	1100	0.3	4	5	3	4	3.0	12	1	2.3	12	393	0.4	1.4	0.14	0.3	14.8
99R-49	388981.01	6090705.90	1	159.0	82	0.3	4	9	64	4	14.7	1	1	0.4	10	19	0.2	7.1	0.03	0.3	1.4
99R-50	387427.39	6090166.15	1	4.4	25	0.3	7	47	378	1	6.1	1	1	1.7	146	8	0.9	38.0	0.03	0.3	0.8
99R-51	385816.88	6087616.81	1	2.7	70	0.3	8	47	60	1	7.2	2	1	1.7	50	8	0.1	39.8	0.03	0.3	0.8
99R-52	382575.20	6088407.01	1	1.4	460	0.3	4	20	31	8	4.6	3	1	4.3	25	82	0.1	16.0	0.03	0.3	2.2
99R-54	380446.70	6088630.40	4	2.4	3200	0.3	5	8	6	14	3.5	8	1	4.2	16	281	0.2	1.1	0.32	0.3	18.2
99R-55	384763.43	6089168.41	1	0.3	290	0.3	7	35	301	2	12.5	1	1	0.9	90	8	0.3	44.8	0.03	0.3	0.1
99R-56	384593.57	6087985.36	1	1.0	25	12.6	9	51	314	1	9.3	1	1	1.3	106	8	0.2	44.2	0.03	0.3	0.1
99R-57	380747.02	6088073.86	5	2.0	190	0.3	6	28	72	2	14.3	2	1	0.6	48	23	0.2	41.4	0.03	0.3	1.0
99R-58	379201.36	6089481.35	1	2.1	460	0.3	2	32	85	12	8.1	4	1	4.1	51	80	0.1	50.1	0.03	0.3	3.2
99R-63	371851.38	6084985.15	1	2.3	70	0.3	5	60	361	2	9.3	2	1	3.5	274	8	0.3	70.1	0.03	0.3	0.1
99R-70	377176.25	6084802.55	23	3.8	50	0.3	9	50	299	1	8.0	1	1	1.4	142	8	0.4	41.9	0.03	0.3	0.1
99R-71	375594.28	6084702.04	1	0.3	110	0.3	7	50	290	2	7.6	1	1	3.1	143	8	0.3	40.4	0.03	0.3	0.1
99R-72	370123.56	6085972.41	1	2.6	120	0.3	4	47	95	1	10.5	2	1	1.9	73	8	0.4	50.4	0.03	0.3	1.5

Sample Site	UTM		Au	As	Ba	Br	Ca	Co	Cr	Cs	Fe	Hf	Mo	Na	Ni	Rb	Sb	Sc	Sr	Ta	Th
	Easting	Northing	ppb	ppm	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm
99R-76	366875.73	6082011.38	34	8.3	200	3.2	2	8	54	1	1.8	1	1	0.1	10	8	0.6	4.1	0.03	0.3	1.6
99R-78	368777.48	6081793.37	8	30.0	160	0.3	8	47	445	8	8.0	2	5	1.1	110	21	5.2	46.5	0.03	0.3	1.3
99R-79	369918.79	6081283.90	1	2.8	840	0.3	2	9	68	3	1.9	2	3	3.7	15	75	0.4	8.0	0.08	0.3	3.4
99R-82	372516.50	6088851.06	1	1.5	110	0.3	12	41	199	1	8.3	1	1	0.7	102	20	0.2	41.5	0.03	0.3	0.4
99R-87	365628.38	6087349.81	1	0.3	25	0.3	9	54	338	1	8.7	1	1	1.3	156	8	0.1	42.7	0.03	0.3	0.5
99R-99	366531.44	6089734.77	21	4.5	480	0.3	10	43	207	2	7.3	1	6	0.4	97	36	0.5	45.8	0.03	0.3	0.5
99R-103	363623.14	6086658.21	1	2.8	300	0.3	8	48	320	4	8.4	1	1	1.2	102	32	0.2	46.2	0.03	0.3	0.5
99R-104	365252.32	6088140.42	1	0.3	25	0.3	4	40	198	1	9.8	3	1	2.1	61	8	0.1	40.8	0.03	0.6	0.6
99R-109	368585.13	6084340.09	1	1.1	25	0.3	10	51	318	2	8.9	1	1	1.0	107	8	0.1	45.4	0.03	0.3	0.1
99R-114	375612.85	6082701.79	1	4.7	400	0.3	3	13	65	1	3.9	3	1	2.7	50	23	0.6	11.4	0.03	0.3	4.2
99R-116	376836.61	6082259.30	3	2.8	430	0.3	3	6	41	1	1.0	4	1	2.7	13	46	0.2	5.7	0.03	0.9	6.6
99R-119	382085.70	6083046.21	5	15.2	25	0.3	6	41	285	1	5.4	3	1	2.4	80	8	2.4	35.6	0.03	0.3	2.7
99R-128	369477.36	6079563.69	104	8970.0	130	0.3	1	12	100	131	5.6	1	1	0.3	170	29	4.8	8.9	0.03	0.3	1.1
99R-131	356359.18	6084946.56	1	28.0	550	2.4	2	17	128	7	6.3	3	1	1.0	64	165	0.3	14.5	0.03	0.3	7.4
99R-141	362142.99	6084076.48	1	16.2	1100	0.3	5	26	186	6	4.9	3	1	2.5	83	88	2.5	21.4	0.09	0.3	8.7
99R-149	370525.75	6084197.53	1	6.2	25	0.3	8	53	254	1	9.9	2	1	1.3	103	8	0.1	45.4	0.03	0.3	0.5
99R-150	378340.48	6088920.71	1	4.5	65	0.3	8	45	294	1	7.7	1	1	1.3	110	8	0.1	41.4	0.03	0.3	0.1
99R-157	372027.71	6087027.04	4	5.8	55	2.4	7	51	316	1	8.5	2	1	1.3	166	8	0.2	41.3	0.03	0.3	0.7
99R-202-1 Field Duplicate	370612.18	6078749.88	1	6.7	180	2.2	5	17	66	2	13.1	2	1	0.7	40	8	0.1	9.1	0.06	0.3	4.4
99R-202-2 Field Duplicate	370612.18	6078749.88	1	1.0	300	2.8	1	5	20	1	1.3	1	1	0.5	25	8	0.1	4.7	0.03	0.3	1.0
99R-203	369733.49	6079116.31	156	82.7	25	1.6	2	6	44	7	10.7	1	1	0.4	13	8	0.1	4.7	0.03	0.3	3.0
99R-213-1 Field Duplicate	365183.13	6079542.10	1	37.2	690	6.4	2	17	222	3	3.8	4	5	2.5	103	32	0.3	15.9	0.07	0.3	6.9
99R-213-2 Field Duplicate	365183.13	6079542.10	1	3.4	790	0.3	3	13	54	11	3.8	3	1	2.4	17	55	0.3	10.6	0.08	0.3	6.7
99R-213-3 Field Duplicate	365183.13	6079542.10	1	9.2	1900	0.3	5	29	703	11	7.3	5	1	2.7	56	120	0.1	46.6	0.08	0.6	6.8
99R-213-4 Field Duplicate	365183.13	6079542.10	1	8.2	690	0.3	3	23	122	11	5.7	4	1	2.0	45	67	0.5	13.6	0.06	0.7	5.8
99R-213-5 Field Duplicate	365183.13	6079542.10	1	273.0	25	1.7	4	9	54	7	13.9	1	2	0.3	14	8	1.2	5.8	0.03	0.3	3.0
99R-213-6 Field Duplicate	365183.13	6079542.10	18	16.2	130	0.3	3	8	76	1	14.3	2	1	0.2	15	8	0.1	10.1	0.05	0.3	6.4
99R-213-7 Field Duplicate	365183.13	6079542.10	1	1.6	1300	2.6	1	26	107	5	4.5	4	1	4.0	21	135	0.6	10.9	0.10	0.3	4.8
99R-218	363444.79	6074383.10	1	34.1	130	8.4	8	57	318	1	10.1	2	1	2.1	173	8	0.2	53.5	0.03	0.3	1.0
99R-227	355381.59	6075600.60	1	1.8	670	0.3	3	24	44	4	6.6	4	1	3.0	19	106	0.5	22.0	0.08	0.3	7.9
99R-230	355405.44	6076684.24	4	2.3	530	3.3	5	30	61	3	6.2	4	2	2.7	63	52	10.4	17.1	0.09	0.3	9.3
99R-235	352971.33	6071021.91	1	4.2	290	4.4	6	44	3	2	10.0	4	1	3.0	18	28	0.1	16.8	0.08	0.3	7.4
99R-241	372758.61	6071129.61	1	1.5	690	0.3	2	14	158	62	3.9	4	3	2.9	100	396	0.9	13.7	0.07	1.1	8.6
99R-251	369454.61	6077674.80	1	2.2	470	0.3	4	35	120	10	9.0	2	1	1.7	96	69	0.3	16.8	0.06	0.3	6.4
99R-258	368572.08	6072950.08	13	175.0	260	2.6	3	14	92	10	10.0	2	4	1.1	75	81	0.2	11.7	0.03	0.3	8.4
99R-259	367901.42	6074827.37	1	1.7	470	0.3	3	15	59	81	9.3	3	16	0.6	13	130	3.1	7.0	0.03	30.7	5.8
99R-260	359223.52	6069883.78	1	1.4	310	24.6	3	24	233	4	5.8	4	1	2.0	65	72	0.1	24.5	0.05	0.8	13.4
99R-261	360063.93	6069315.74	1	1.9	310	20.5	5	38	61	4	8.9	3	1	2.5	21	73	0.1	39.6	0.03	0.3	3.8
99R-264	360989.77	6069149.40	1	1.3	270	9.7	6	43	258	2	7.0	2	1	2.1	70	29	0.4	42.0	0.03	0.3	2.4
99R-265	361329.67	6072980.83	1	0.3	530	0.3	7	37	128	4	6.1	2	1	2.5	67	29	1.6	31.5	0.08	0.3	3.8
99R-266	363559.03	6071022.97	1	0.3	220	21.4	9	53	301	1	7.9	1	1	2.4	80	8	0.4	54.4	0.03	0.3	2.0
99R-267	377020.28	6069882.33	1	1.0	100	0.3	2	1	3	2	0.7	1	5	4.6	16	85	0.1	2.1	0.03	2.0	2.4
99R-268	379044.14	6070599.95	3	1.5	120	2.0	1	1	3	5	0.4	3	1	2.5	11	320	0.1	0.9	0.03	3.0	5.7
99R-269	376364.81	6071760.41	1	1.7	25	0.3	2	2	3	4	0.8	2	1	2.7	15	195	0.1	2.2	0.03	0.3	28.6
99R-274	382955.22	6071800.72	1	17.1	25	4.1	1	2	3	1	0.6	1	1	0.1	10	8	0.7	0.4	0.03	0.3	0.8
99R-281-1 Field Duplicate	379124.40	6067728.11	1	25.3	25	0.3	8	17	185	1	19.7	1	1	0.8	42	35	0.1	29.2	0.03	0.3	0.1
99R-281-2 Field Duplicate	379124.40	6067728.11	277	1440.0	25	0.3	7	28	190	1	19.6	1	1	0.9	81	8	0.1	27.5	0.03	0.3	0.1
99R-281-3 Field Duplicate	379124.40	6067728.11	13	557.0	120	0.3	7	44	247	1	12.8	2	1	1.7	138	8	0.1	40.7	0.03	0.3	0.1
99R-282	382727.20	6079909.30	1	0.3	160	0.3	3	44	44	1	12.9	3	1	2.6	19	8	0.1	43.7	0.03	0.3	1.0
99R-283	382282.71	6077714.41	1	0.6	710	0.3	4	24	156	2	5.1	3	1	3.2	63	69	1.9	17.7	0.03	0.3	4.6
99R-287	385938.09	6072538.35	1	0.3	25	0.3	9	45	170	1	9.4	2	1	1.5	90	8	0.2	42.9	0.03	0.3	0.1
99R-288	384706.93	6071638.97	4	97.6	410	1.0	4	32	122	3	12.7	2	1	1.0	74	52	0.1	24.8	0.03	0.3	1.6
99R-289	384447.42	6070035.32	1	3.3	25	0.3	8	52	188	1	7.7	2	1	1.9	93	8	0.1	50.9	0.03	0.3	0.1
99R-291	386749.94	6071142.51	3	0.3	25	0.3	8	50	200	1	10.3	2	1	1.7	115	8	0.2	44.3	0.03	0.3	0.1

Sample Site	UTM		Au	As	Ba	Br	Ca	Co	Cr	Cs	Fe	Hf	Mo	Na	Ni	Rb	Sb	Sc	Sr	Ta	Th
	Easting	Northing	ppb	ppm	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm
99R-292-1 Field Duplicate	372658.22	6079358.51	1	7.0	1200	3.0	2	18	117	3	6.4	3	3	1.8	76	93	0.3	13.7	0.03	0.3	5.8
99R-292-2 Field Duplicate	372658.22	6079359.51	1	3.0	720	0.3	5	64	1030	8	7.5	2	1	0.5	776	125	0.1	26.5	0.03	0.3	2.2
99R-293	373332.21	6078856.12	6	106.0	910	2.1	1	16	80	7	8.7	3	2	1.4	65	207	0.2	12.4	0.03	0.3	7.1
99R-294-1 Field Duplicate	374312.89	6078921.40	1	4.5	150	0.3	5	40	60	1	8.2	3	1	1.3	58	8	0.3	35.6	0.03	0.3	2.3
99R-294-2 Field Duplicate	374312.89	6078921.40	10	188.0	25	0.3	1	22	7	1	30.0	1	1	0.0	10	8	11.2	0.7	0.03	0.3	0.2
99R-295-1 Field Duplicate	375182.62	6078624.03	1	2.3	240	5.7	2	7	38	56	25.1	1	3	0.1	11	93	1.0	5.2	0.03	0.3	0.9
99R-295-2 Field Duplicate	375182.62	6078624.03	1	1290.0	110	23.9	1	5	3	125	1.2	2	1	5.4	25	8	0.2	6.5	0.03	62.7	3.0
99R-296	376386.81	6078570.83	1	2.7	1000	2.0	3	20	109	3	3.8	3	1	3.3	70	72	0.9	12.9	0.11	0.3	5.4
99R-297-1 Field Duplicate	377606.00	6078057.09	1	2.0	1000	0.3	6	50	625	1	7.1	2	1	3.1	163	8	0.1	50.0	0.03	0.3	10.7
99R-297-2 Field Duplicate	377606.00	6078057.09	1	2.5	280	0.3	7	72	1230	3	8.0	2	1	0.2	919	50	0.4	27.0	0.03	0.3	1.9
99R-297-3 Field Duplicate	377606.00	6078057.09	1	0.3	500	0.3	2	37	180	1	6.3	3	1	5.3	71	8	0.1	25.1	0.03	0.3	16.0
99R-297-4 Field Duplicate	377606.00	6078057.09	1	0.3	200	0.3	5	48	784	1	6.3	2	1	3.9	327	8	0.7	28.9	0.03	0.3	1.8
99R-298	377794.68	6079094.31	1	3.0	1000	0.3	5	29	225	3	5.7	3	1	3.1	61	38	0.3	20.1	0.15	0.3	7.0
99R-300	383601.49	6081754.27	1	4.0	160	0.3	7	46	260	1	8.7	2	1	1.8	62	8	0.5	42.2	0.03	0.3	1.9
99R-301-1 Field Duplicate	382264.75	6081807.41	1	3.6	460	0.3	1	4	36	1	20.8	1	3	0.0	10	43	2.7	4.0	0.03	0.3	0.6
99R-301-2 Field Duplicate	382264.75	6081807.41	1	9.2	890	0.3	1	4	22	4	1.7	3	1	3.4	13	60	2.2	3.3	0.03	0.3	1.5
99R-302-1 Field Duplicate	381825.16	6080640.92	12	116.0	190	0.3	13	117	1030	4	18.4	1	1	0.5	1640	23	0.9	15.1	0.03	0.3	0.7
99R-302-2 Field Duplicate	381825.16	6080640.92	1150	19.0	550	1.3	1	29	45	1	9.5	2	5	0.1	250	38	0.8	4.6	0.03	0.3	4.2
99R-303	381419.93	6079292.48	1	1.3	230	0.3	8	60	684	2	8.2	2	1	2.8	442	31	0.1	38.2	0.03	0.3	1.4
99R-304	379828.87	6079816.74	1	12.6	620	0.3	9	53	702	1	8.1	2	1	1.0	405	47	1.1	35.0	0.03	0.3	1.5
99R-305	373257.01	6080611.99	1	5.3	460	0.3	2	24	165	4	4.3	4	2	4.3	89	56	0.1	15.8	0.09	0.3	6.9
99R-308	378593.33	6079122.68	1	2.9	690	0.3	5	26	151	2	5.5	3	1	2.7	39	40	0.1	24.5	0.03	0.3	3.7
99R-309	379412.18	6081620.51	1	0.3	25	0.3	4	48	7	1	9.6	3	1	1.8	39	8	3.8	44.9	0.03	0.3	2.5
99R-311	375825.45	6081477.33	1	1.9	1300	0.3	4	37	369	2	5.7	4	5	2.7	214	40	0.3	23.6	0.09	0.3	20.1
99R-312-1 Field Duplicate	374729.14	6081514.74	41	288.0	300	0.3	1	38	207	1	8.8	3	1	0.7	197	24	12.3	46.0	0.03	0.3	0.6
99R-312-2 Field Duplicate	374729.14	6081514.74	82	58.4	25	0.3	2	112	51	1	30.3	1	1	0.2	84	8	1.4	9.1	0.03	0.3	0.4
99R-314	380441.27	6077362.52	1	0.3	650	0.3	4	21	162	2	4.5	3	2	2.6	66	63	0.3	15.3	0.08	0.3	5.3
99R-324	371909.21	6077077.66	1	0.3	320	0.3	3	15	87	1	3.1	3	3	3.3	50	8	0.1	11.6	0.03	0.3	2.8
99R-346	363508.62	6077282.57	1	8.8	300	4.0	2	11	97	4	7.3	3	1	2.5	50	53	0.2	12.0	0.05	0.3	7.5
99R-348	386609.32	6076034.47	1	1.0	110	0.3	8	45	164	1	10.2	2	1	1.5	88	8	0.1	43.5	0.03	0.3	0.1
99R-349	394290.85	6073197.89	1	0.5	260	5.8	8	50	186	1	10.5	3	7	1.8	90	40	0.1	46.0	0.03	0.3	0.1
99R-351	377332.39	6064774.37	1	52.8	440	5.0	3	37	235	3	5.9	3	1	2.2	89	8	0.1	32.8	0.03	0.3	7.4

Sample Site	U	W	Zn	La	Ce	Nd	Sm	Eu	Tb	Yb	Lu	TREE
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
99R-2	0.3	1	25	2.5	6	3	1.7	0.6	0.3	1.7	0.26	16
99R-5	0.3	1	25	15.3	26	11	1.9	0.6	0.3	0.3	0.03	55
99R-7	0.3	1	25	3.0	9	9	2.1	0.7	0.3	1.9	0.28	26
99R-8	2.2	3	25	28.5	48	12	2.4	0.6	0.3	0.5	0.09	92
99R-9	0.3	1	162	34.2	68	32	7.6	2.0	0.3	3.1	0.46	148
99R-10	0.3	1	92	3.0	9	3	1.9	0.8	0.3	1.7	0.24	19
99R-11	0.3	1	124	2.8	7	7	1.9	0.7	0.3	1.9	0.30	22
99R-12	0.3	1	121	4.3	8	9	2.0	0.8	0.3	2.3	0.35	27
99R-13	0.3	1	167	5.3	14	3	2.3	0.9	0.3	2.7	0.42	28
99R-14	0.3	1	99	5.0	14	3	2.5	0.8	0.3	2.6	0.39	28
99R-15	1.4	1	110	28.7	53	17	4.0	1.1	0.3	1.5	0.24	106
99R-17	0.3	1	110	4.8	10	3	1.8	0.5	0.3	1.9	0.29	22
99R-20	1.6	7	25	12.6	22	3	1.5	0.4	0.3	0.3	0.05	40
99R-21	0.3	1	131	2.0	5	3	0.7	0.4	0.3	0.7	0.12	12
99R-22	0.3	1	25	6.0	14	3	2.0	0.7	0.3	2.0	0.31	28
99R-23	0.3	1	107	3.0	8	3	1.3	0.4	0.3	1.3	0.20	17
99R-24	0.3	1	25	6.2	13	3	1.9	0.6	0.3	1.9	0.28	27
99R-26	0.3	1	142	3.8	10	3	1.9	0.8	0.3	2.0	0.31	22
99R-28	2.1	1	83	29.4	57	22	4.0	1.1	0.3	1.8	0.28	116
99R-29	0.3	1	111	2.3	7	3	1.5	0.6	0.3	1.7	0.26	16
99R-30	0.6	1	185	9.1	17	8	1.5	0.6	0.3	1.5	0.25	38
99R-31	0.3	1	108	16.6	31	13	2.5	0.9	0.3	1.9	0.29	66
99R-32	0.3	1	25	2.0	7	3	1.6	0.5	0.3	1.8	0.26	16
99R-33	0.3	1	126	11.3	25	9	2.7	1.1	0.7	2.3	0.36	52
99R-34	0.3	1	118	1.8	5	3	1.4	0.5	0.3	1.5	0.23	13
99R-35	0.3	1	165	6.9	17	7	2.8	1.0	0.3	3.1	0.46	39
99R-36	0.3	1	96	6.3	19	7	3.1	0.9	0.3	4.6	0.69	42
99R-38	0.3	1	158	1.9	5	3	1.3	0.7	0.3	2.1	0.33	14
99R-42	0.3	1	53	7.0	14	3	1.3	0.4	0.3	0.1	0.03	26
99R-43	0.3	1	89	4.4	9	3	0.8	0.3	0.3	0.3	0.03	18
99R-44	0.7	1	25	3.9	7	3	0.7	0.3	0.3	0.3	0.03	15
99R-45	0.3	1	114	128.0	204	92	8.8	2.0	0.9	3.5	0.56	440
99R-47	0.3	1	162	3.6	9	3	2.6	0.9	0.3	3.0	0.45	22
99R-48-1 Field Duplicate	0.3	1	25	8.9	20	7	1.6	0.5	0.3	0.3	0.03	39
99R-48-2 Field Duplicate	4.1	1	25	61.7	135	80	24.1	8.0	2.7	4.0	0.60	325
99R-49	0.3	1	25	6.7	14	6	1.2	0.5	0.3	0.7	0.13	29
99R-50	0.8	1	104	4.4	9	5	1.7	0.7	0.3	1.6	0.25	23
99R-51	0.3	1	137	7.1	19	9	3.2	1.2	0.7	2.8	0.43	43
99R-52	1.7	1	101	26.0	46	22	4.0	1.3	0.7	1.4	0.24	102
99R-54	9.8	1	25	113.0	217	102	15.4	4.0	0.3	0.8	0.15	453
99R-55	0.3	1	135	2.2	7	3	1.3	0.6	0.3	1.9	0.30	16
99R-56	0.3	1	130	2.5	6	3	1.6	0.6	0.3	1.7	0.30	15
99R-57	0.3	1	296	6.6	17	7	2.3	1.0	0.5	2.9	0.47	38
99R-58	0.3	23	185	33.4	61	24	5.0	1.5	0.3	2.8	0.47	128
99R-63	0.3	1	25	25.4	44	22	6.3	1.1	1.3	2.9	0.46	103
99R-70	0.3	1	156	2.8	8	3	1.8	0.8	0.3	1.6	0.26	18
99R-71	1.1	1	132	3.0	7	3	1.7	0.8	0.5	2.2	0.33	18
99R-72	0.3	1	151	7.8	22	9	3.1	1.0	0.7	3.2	0.49	47

Sample Site	U	W	Zn	La	Ce	Nd	Sm	Eu	Tb	Yb	Lu	TREE
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
99R-76	0.9	1	25	7.8	15	7	1.1	0.3	0.3	0.3	0.03	32
99R-78	0.3	11	116	6.6	15	7	2.2	0.7	0.3	2.2	0.36	34
99R-79	1.5	1	25	16.1	39	12	2.6	0.9	0.3	0.6	0.08	72
99R-82	1.0	1	106	2.7	6	3	1.4	0.5	0.3	2.1	0.31	16
99R-87	0.3	1	126	3.1	6	5	1.5	0.6	0.3	1.5	0.25	18
99R-99	0.3	9	162	5.0	11	7	1.9	0.8	0.3	2.0	0.30	28
99R-103	0.3	1	161	1.9	6	3	1.5	0.7	0.3	1.9	0.29	15
99R-104	0.3	1	172	4.8	15	8	3.7	1.4	0.8	4.2	0.60	39
99R-109	0.3	1	119	2.3	8	8	1.6	0.7	0.3	1.8	0.30	23
99R-114	1.3	1	83	22.1	47	15	3.1	0.9	0.3	0.8	0.15	89
99R-116	1.5	1	53	27.5	54	18	3.2	1.0	0.3	0.9	0.13	105
99R-119	0.3	1	122	11.1	24	9	2.9	0.9	0.3	2.3	0.33	51
99R-128	4.6	4	55	8.6	16	8	1.5	0.3	0.3	0.7	0.11	35
99R-131	2.0	1	84	20.3	40	15	2.6	0.8	0.3	0.9	0.15	80
99R-141	1.5	1	105	44.0	88	35	5.6	1.4	0.3	1.1	0.16	176
99R-149	0.9	1	140	3.3	9	3	2.0	0.8	0.3	2.3	0.35	21
99R-150	0.3	1	136	2.6	8	3	1.8	0.7	0.3	2.0	0.33	18
99R-157	0.3	1	128	3.3	9	3	1.8	0.7	0.3	2.1	0.32	20
99R-202-1 Field Duplicate	0.3	9	119	30.6	60	23	4.3	1.3	0.3	1.5	0.25	121
99R-202-2 Field Duplicate	0.3	1	66	4.0	7	3	0.7	0.1	0.3	0.1	0.03	15
99R-203	0.8	120	25	9.2	19	3	1.2	0.3	0.3	0.8	0.12	33
99R-213-1 Field Duplicate	0.9	1	69	24.4	55	19	4.1	1.0	0.3	1.2	0.22	105
99R-213-2 Field Duplicate	1.6	1	88	19.8	35	14	2.6	0.9	0.3	0.7	0.13	73
99R-213-3 Field Duplicate	1.3	1	156	18.8	29	12	2.4	1.0	0.3	2.0	0.32	66
99R-213-4 Field Duplicate	0.9	1	105	22.7	41	16	3.3	1.1	0.3	1.1	0.16	86
99R-213-5 Field Duplicate	0.3	2	25	13.6	25	14	2.4	0.7	0.3	0.9	0.16	57
99R-213-6 Field Duplicate	1.6	1	88	23.4	41	18	3.6	1.0	0.3	1.5	0.22	89
99R-213-7 Field Duplicate	1.8	1	72	25.8	46	20	3.2	0.9	0.3	1.0	0.15	97
99R-218	0.3	1	156	7.7	16	6	2.9	1.0	0.3	2.7	0.40	37
99R-227	1.7	1	86	47.1	102	41	7.5	2.0	0.8	2.1	0.32	203
99R-230	2.1	1	108	45.1	96	37	6.2	1.6	0.3	1.6	0.24	188
99R-235	2.0	1	166	23.9	54	19	4.6	1.4	0.3	2.1	0.32	106
99R-241	3.8	1	101	10.4	29	12	2.3	0.8	0.3	1.9	0.29	57
99R-251	1.9	1	90	35.0	74	28	5.4	1.6	0.6	1.6	0.25	146
99R-258	1.9	1	64	21.6	45	14	3.0	0.9	0.3	1.3	0.19	86
99R-259	3.7	44	74	31.9	65	22	4.1	1.0	0.3	0.9	0.13	125
99R-260	3.8	1	98	39.6	77	24	4.5	1.3	0.3	1.5	0.23	148
99R-261	1.5	1	147	5.2	14	7	2.5	0.8	0.3	2.4	0.36	33
99R-264	0.3	1	115	6.7	17	7	2.7	0.9	0.3	2.3	0.35	37
99R-265	0.3	1	122	22.8	49	17	3.6	1.0	0.3	1.0	0.15	95
99R-266	0.3	1	25	14.7	29	18	3.3	1.0	0.3	1.9	0.30	68
99R-267	0.3	1	25	3.9	10	3	0.8	0.1	0.3	0.4	0.06	18
99R-268	9.9	1	25	7.2	13	6	2.0	0.1	0.3	1.1	0.19	30
99R-269	17.4	1	25	17.0	31	10	4.4	0.3	0.3	1.2	0.22	64
99R-274	0.3	1	25	6.6	12	5	1.0	0.2	0.3	0.1	0.03	25
99R-281-1 Field Duplicate	0.3	1	176	4.4	9	6	2.0	1.0	0.7	2.1	0.29	25
99R-281-2 Field Duplicate	0.3	37	25	4.5	9	3	1.7	0.7	0.3	1.2	0.20	20
99R-281-3 Field Duplicate	0.3	1	25	4.4	10	3	2.1	0.9	0.3	1.9	0.30	22
99R-282	0.3	1	51	9.1	19	12	3.5	1.3	0.3	3.5	0.56	49
99R-283	1.8	1	25	32.0	56	31	4.8	1.4	0.3	1.1	0.16	127
99R-287	0.3	1	124	3.3	8	3	2.7	0.8	0.3	2.6	0.40	21
99R-288	0.3	1	212	10.1	22	13	2.8	0.9	0.3	1.5	0.25	51
99R-289	0.3	1	104	3.8	11	10	3.1	1.0	0.6	2.9	0.45	33
99R-291	0.3	1	60	5.3	14	8	2.8	0.9	0.3	2.5	0.38	34

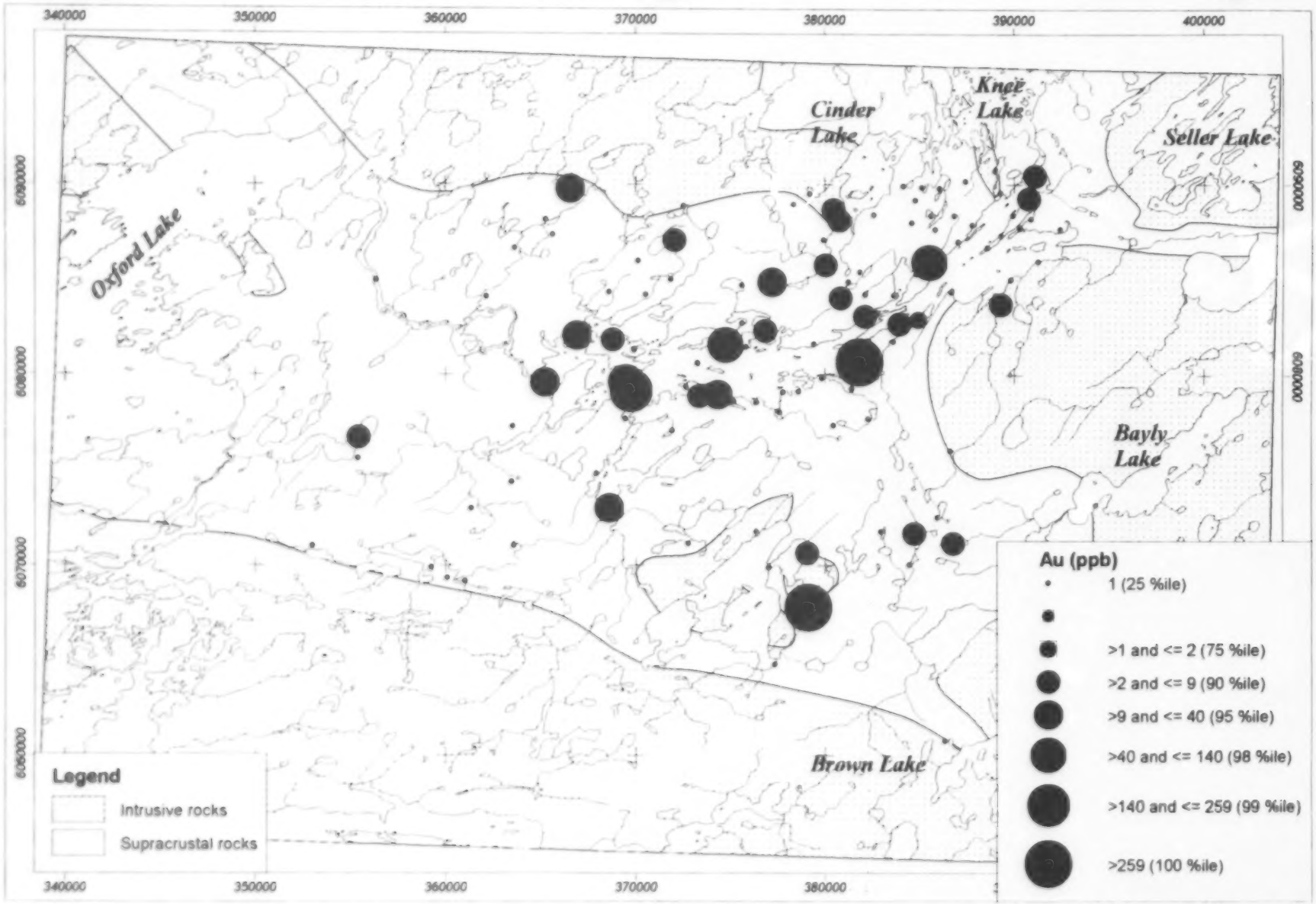
Sample Site	U	W	Zn	La	Ce	Nd	Sm	Eu	Tb	Yb	Lu	TREE
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
99R-292-1 Field Duplicate	1.7	1	69	21.6	40	19	3.4	1.0	0.3	1.1	0.18	87
99R-292-2 Field Duplicate	0.8	1	110	12.1	25	12	3.0	0.9	0.3	1.5	0.23	55
99R-293	1.9	1	54	24.3	44	17	3.4	1.2	0.3	1.0	0.17	91
99R-294-1 Field Duplicate	1.1	1	100	10.1	20	10	2.5	0.8	0.3	2.2	0.34	46
99R-294-2 Field Duplicate	0.3	1	25	2.8	5	3	0.4	0.1	0.3	0.2	0.03	11
99R-295-1 Field Duplicate	0.3	1	25	9.0	17	7	1.5	0.7	0.3	1.0	0.15	37
99R-295-2 Field Duplicate	5.0	1	25	0.8	2	3	0.2	0.1	0.3	0.1	0.03	5
99R-296	1.3	31	25	33.1	59	29	4.5	1.2	0.3	1.0	0.15	128
99R-297-1 Field Duplicate	2.5	1	25	42.9	82	38	6.8	1.7	0.3	1.7	0.28	174
99R-297-2 Field Duplicate	0.8	1	116	19.1	37	15	4.2	1.0	0.3	1.1	0.18	78
99R-297-3 Field Duplicate	2.2	1	25	55.1	90	39	6.3	1.7	0.3	1.9	0.34	195
99R-297-4 Field Duplicate	0.3	1	25	14.4	26	12	3.1	1.1	0.3	1.5	0.30	59
99R-298	2.0	1	58	38.1	64	29	4.3	1.2	0.3	1.4	0.26	139
99R-300	0.3	1	85	9.9	19	8	2.6	0.8	0.3	2.3	0.44	43
99R-301-1 Field Duplicate	0.3	2	25	3.8	8	3	0.8	0.4	0.3	0.7	0.10	17
99R-301-2 Field Duplicate	0.9	1	25	12.8	24	9	2.2	0.7	0.3	0.3	0.03	49
99R-302-1 Field Duplicate	0.3	1	61	5.4	11	7	1.4	0.2	0.3	1.0	0.14	26
99R-302-2 Field Duplicate	0.6	9	110	15.5	31	13	2.5	0.7	0.3	0.9	0.13	64
99R-303	0.3	1	51	8.3	20	12	3.5	1.2	0.3	1.8	0.30	47
99R-304	0.9	1	179	14.8	30	16	4.3	1.4	0.6	2.0	0.30	69
99R-305	2.8	1	25	39.8	67	35	5.5	1.3	0.6	0.9	0.19	150
99R-308	0.3	1	68	26.5	50	24	4.7	1.5	0.3	1.6	0.27	109
99R-309	0.3	1	60	13.9	25	9	3.1	1.0	0.3	2.6	0.42	55
99R-311	4.3	1	25	98.6	170	88	10.2	2.7	0.3	1.6	0.29	372
99R-312-1 Field Duplicate	0.3	15	25	6.7	14	5	2.6	0.8	0.3	3.0	0.44	33
99R-312-2 Field Duplicate	0.3	1	67	1.6	2	3	0.6	0.2	0.3	0.5	0.08	7
99R-314	1.6	1	101	32.1	50	20	4.0	1.2	0.3	0.9	0.14	109
99R-324	1.1	1	25	11.0	22	10	2.5	0.6	0.3	0.8	0.13	47
99R-346	1.8	1	25	17.0	26	7	2.2	0.7	0.3	1.1	0.17	54
99R-348	0.3	1	162	3.3	8	6	2.5	0.7	0.6	2.8	0.40	24
99R-349	0.3	1	145	3.3	10	3	3.0	1.0	0.7	3.0	0.45	24
99R-351	2.4	1	25	27.4	51	19	4.4	1.1	0.6	1.7	0.29	105

INA Analyses, Multiple Samples.

Sample Site	UTM		Au	As	Ba	Br	Ca	Co	Cr	Cs	Fe	Hf	Mo	Na	Ni	Rb	Sb	Sc	Sr	Ta	Th
	Easting	Northing	ppb	ppm	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm
99R-48-1 Field Duplicate	383904.64	6082648.05	4	3.6	540	0.3	2	4	22	3	1.4	2	1	4.2	17	33	1.3	3.1	0.03	0.3	1.3
99R-48-2 Field Duplicate	383904.64	6082648.05	1	1.7	1100	0.3	4	5	3	4	3.0	12	1	2.3	12	393	0.4	1.4	0.14	0.3	14.8
99R-202-1 Field Duplicate	370612.18	6078749.88	1	6.7	180	2.2	5	17	66	2	13.1	2	1	0.7	40	8	0.1	9.1	0.06	0.3	4.4
99R-202-2 Field Duplicate	370612.18	6078749.88	1	1.0	300	2.8	1	5	20	1	1.3	1	1	0.5	25	8	0.1	4.7	0.03	0.3	1.0
99R-213-1 Field Duplicate	365183.13	6079542.10	1	37.2	690	6.4	2	17	222	3	3.8	4	5	2.5	103	32	0.3	15.9	0.07	0.3	6.9
99R-213-2 Field Duplicate	365183.13	6079542.10	1	3.4	790	0.3	3	13	54	11	3.8	3	1	2.4	17	55	0.3	10.6	0.08	0.3	6.7
99R-213-3 Field Duplicate	365183.13	6079542.10	1	9.2	1900	0.3	5	29	703	11	7.3	5	1	2.7	56	120	0.1	46.6	0.08	0.6	6.8
99R-213-4 Field Duplicate	365183.13	6079542.10	1	8.2	690	0.3	3	23	122	11	5.7	4	1	2.0	45	67	0.5	13.6	0.06	0.7	5.8
99R-213-5 Field Duplicate	365183.13	6079542.10	1	273.0	25	1.7	4	9	54	7	13.9	1	2	0.3	14	8	1.2	5.8	0.03	0.3	3.0
99R-213-6 Field Duplicate	365183.13	6079542.10	18	16.2	130	0.3	3	8	76	1	14.3	2	1	0.2	15	8	0.1	10.1	0.05	0.3	6.4
99R-213-7 Field Duplicate	365183.13	6079542.10	1	1.6	1300	2.6	1	26	107	5	4.5	4	1	4.0	21	135	0.6	10.9	0.10	0.3	4.8
99R-281-1 Field Duplicate	379124.40	6067728.11	1	25.3	25	0.3	8	17	185	1	19.7	1	1	0.8	42	35	0.1	29.2	0.03	0.3	0.1
99R-281-2 Field Duplicate	379124.40	6067728.11	277	1440.0	25	0.3	7	28	190	1	19.6	1	1	0.9	81	8	0.1	27.5	0.03	0.3	0.1
99R-281-3 Field Duplicate	379124.40	6067728.11	13	557.0	120	0.3	7	44	247	1	12.8	2	1	1.7	138	8	0.1	40.7	0.03	0.3	0.1
99R-292-1 Field Duplicate	372658.22	6079359.51	1	7.0	1200	3.0	2	18	117	3	6.4	3	3	1.8	76	93	0.3	13.7	0.03	0.3	5.8
99R-292-2 Field Duplicate	372658.22	6079359.51	1	3.0	720	0.3	5	64	1030	8	7.5	2	1	0.5	776	125	0.1	26.5	0.03	0.3	2.2
99R-294-1 Field Duplicate	374312.89	6078921.40	1	4.5	150	0.3	5	40	60	1	8.2	3	1	1.3	58	8	0.3	35.6	0.03	0.3	2.3
99R-294-2 Field Duplicate	374312.89	6078921.40	10	188.0	25	0.3	1	22	7	1	30.0	1	1	0.0	10	8	11.2	0.7	0.03	0.3	0.2
99R-295-1 Field Duplicate	375182.62	6078624.03	1	2.3	240	5.7	2	7	38	56	25.1	1	3	0.1	11	93	1.0	5.2	0.03	0.3	0.9
99R-295-2 Field Duplicate	375182.62	6078624.03	1	1290.0	110	23.9	1	5	3	125	1.2	2	1	5.4	25	8	0.2	6.5	0.03	62.7	3.0
99R-297-1 Field Duplicate	377606.00	6078057.09	1	2.0	1000	0.3	6	50	625	1	7.1	2	1	3.1	163	8	0.1	50.0	0.03	0.3	10.7
99R-297-2 Field Duplicate	377606.00	6078057.09	1	2.5	280	0.3	7	72	1230	3	8.0	2	1	0.2	919	50	0.4	27.0	0.03	0.3	1.9
99R-297-3 Field Duplicate	377606.00	6078057.09	1	0.3	500	0.3	2	37	180	1	6.3	3	1	5.3	71	8	0.1	25.1	0.03	0.3	16.0
99R-297-4 Field Duplicate	377606.00	6078057.09	1	0.3	200	0.3	5	48	784	1	6.3	2	1	3.9	327	8	0.7	28.9	0.03	0.3	1.8
99R-301-1 Field Duplicate	382264.75	6081807.41	1	3.6	460	0.3	1	4	36	1	20.8	1	3	0.0	10	43	2.7	4.0	0.03	0.3	0.6
99R-301-2 Field Duplicate	382264.75	6081807.41	1	9.2	890	0.3	1	4	22	4	1.7	3	1	3.4	13	60	2.2	3.3	0.03	0.3	1.5
99R-302-1 Field Duplicate	381825.16	6080640.92	12	116.0	190	0.3	13	117	1030	4	18.4	1	1	0.5	1640	23	0.9	15.1	0.03	0.3	0.7
99R-302-2 Field Duplicate	381825.16	6080640.92	1150	19.0	550	1.3	1	29	45	1	9.5	2	5	0.1	250	36	0.8	4.6	0.03	0.3	4.2
99R-312-1 Field Duplicate	374729.14	6081514.74	41	288.0	300	0.3	1	38	207	1	8.8	3	1	0.7	197	24	12.3	46.0	0.03	0.3	0.6
99R-312-2 Field Duplicate	374729.14	6081514.74	82	58.4	25	0.3	2	112	51	1	30.3	1	1	0.2	84	8	1.4	9.1	0.03	0.3	0.4

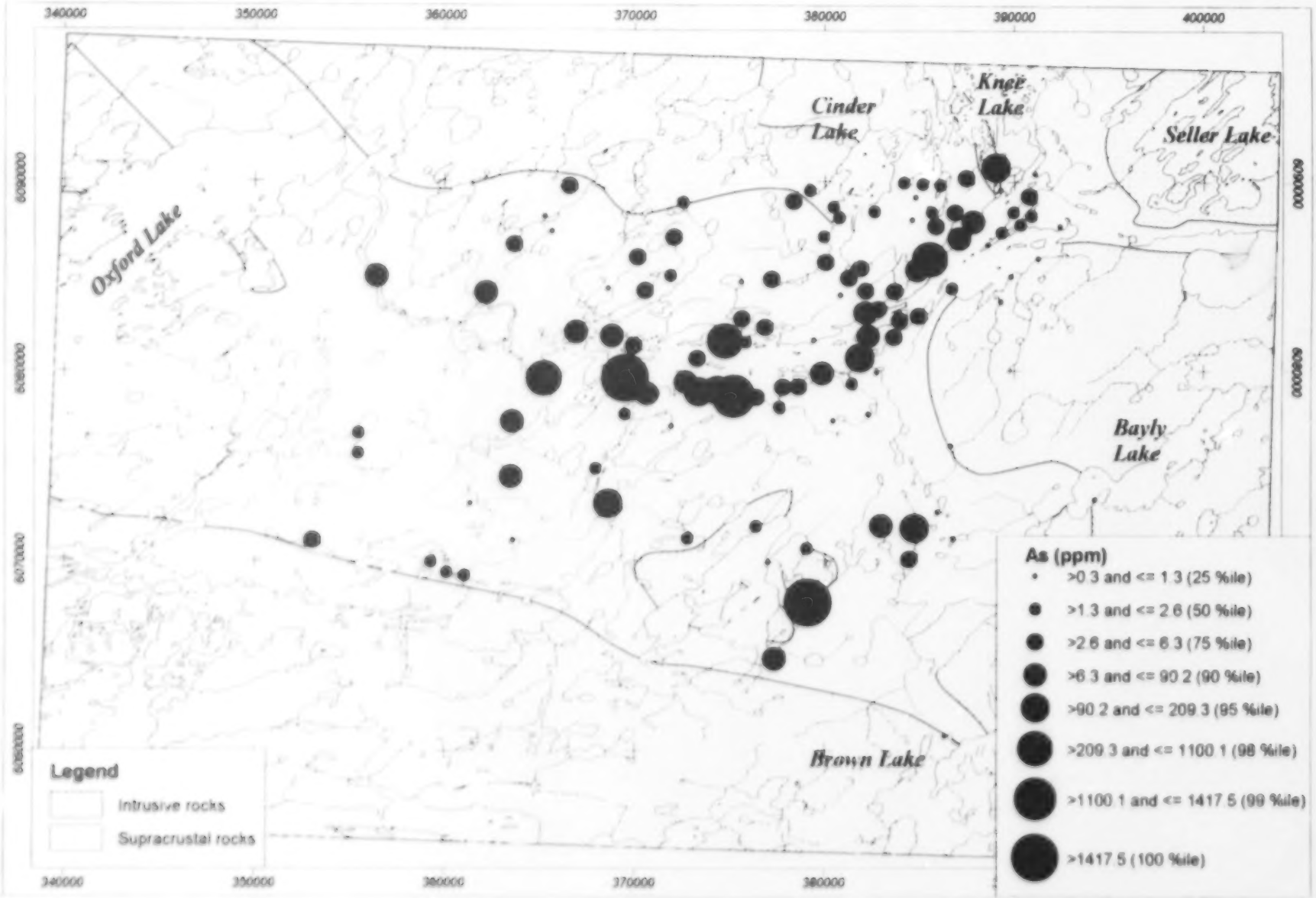
Sample Site	U ppm	W ppm	Zn ppm	La ppm	Ce ppm	Nd ppm	Sm ppm	Eu ppm	Tb ppm	Yb ppm	Lu ppm	Mass g	TREE ppm
99R-48-1 Field Duplicate	0.3	1	25	8.9	20	7	1.6	0.5	0.3	0.3	0.03	27.57	39
99R-48-2 Field Duplicate	4.1	1	25	61.7	135	89	24.1	8.0	2.7	4.0	0.60	33.09	325
99R-202-1 Field Duplicate	0.3	9	119	30.6	60	23	4.3	1.3	0.3	1.5	0.25	35.94	121
99R-202-2 Field Duplicate	0.3	1	66	4.0	7	3	0.7	0.1	0.3	0.1	0.03	38.79	15
99R-213-1 Field Duplicate	0.9	1	69	24.4	55	19	4.1	1.0	0.3	1.2	0.22	33.19	105
99R-213-2 Field Duplicate	1.6	1	88	19.8	35	14	2.6	0.9	0.3	0.7	0.13	33.34	73
99R-213-3 Field Duplicate	1.3	1	156	18.8	29	12	2.4	1.0	0.3	2.0	0.32	33.83	66
99R-213-4 Field Duplicate	0.9	1	105	22.7	41	16	3.3	1.1	0.3	1.1	0.16	28.81	86
99R-213-5 Field Duplicate	0.3	2	25	13.6	25	14	2.4	0.7	0.3	0.9	0.16	35.95	57
99R-213-6 Field Duplicate	1.6	1	88	23.4	41	18	3.6	1.0	0.3	1.5	0.22	33.23	89
99R-213-7 Field Duplicate	1.8	1	72	25.8	46	20	3.2	0.9	0.3	1.0	0.15	30.89	97
99R-281-1 Field Duplicate	0.3	1	176	4.4	9	6	2.0	1.0	0.7	2.1	0.29	36.84	25
99R-281-2 Field Duplicate	0.3	37	25	4.5	9	3	1.7	0.7	0.3	1.2	0.20	42.23	20
99R-281-3 Field Duplicate	0.3	1	25	4.4	10	3	2.1	0.9	0.3	1.9	0.30	38.83	22
99R-292-1 Field Duplicate	1.7	1	69	21.6	40	19	3.4	1.0	0.3	1.1	0.18	29.12	87
99R-292-2 Field Duplicate	0.8	1	110	12.1	25	12	3.0	0.9	0.3	1.5	0.23	28.53	55
99R-294-1 Field Duplicate	1.1	1	100	10.1	20	10	2.5	0.8	0.3	2.2	0.34	32.09	46
99R-294-2 Field Duplicate	0.3	1	25	2.8	5	3	0.4	0.1	0.3	0.2	0.03	46.11	11
99R-295-1 Field Duplicate	0.3	1	25	9.0	17	7	1.5	0.7	0.3	1.0	0.15	35.60	37
99R-295-2 Field Duplicate	5.0	1	25	0.8	2	3	0.2	0.1	0.3	0.1	0.03	27.94	5
99R-297-1 Field Duplicate	2.5	1	25	42.9	82	38	6.8	1.7	0.3	1.7	0.28	29.48	174
99R-297-2 Field Duplicate	0.8	1	116	19.1	37	15	4.2	1.0	0.3	1.1	0.18	23.74	78
99R-297-3 Field Duplicate	2.2	1	25	55.1	90	39	6.3	1.7	0.3	1.9	0.34	31.48	195
99R-297-4 Field Duplicate	0.3	1	25	14.4	26	12	3.1	1.1	0.3	1.5	0.30	29.95	59
99R-301-1 Field Duplicate	0.3	2	25	3.8	8	3	0.8	0.4	0.3	0.7	0.10	36.99	17
99R-301-2 Field Duplicate	0.9	1	25	12.8	24	9	2.2	0.7	0.3	0.3	0.03	27.03	49
99R-302-1 Field Duplicate	0.3	1	61	5.4	11	7	1.4	0.2	0.3	1.0	0.14	29.24	26
99R-302-2 Field Duplicate	0.6	9	110	15.5	31	13	2.5	0.7	0.3	0.9	0.13	31.17	64
99R-312-1 Field Duplicate	0.3	15	25	6.7	14	5	2.6	0.8	0.3	3.0	0.44	23.72	33
99R-312-2 Field Duplicate	0.3	1	67	1.6	2	3	0.6	0.2	0.3	0.5	0.08	48.19	7

INA Percentile Bubble Plots.



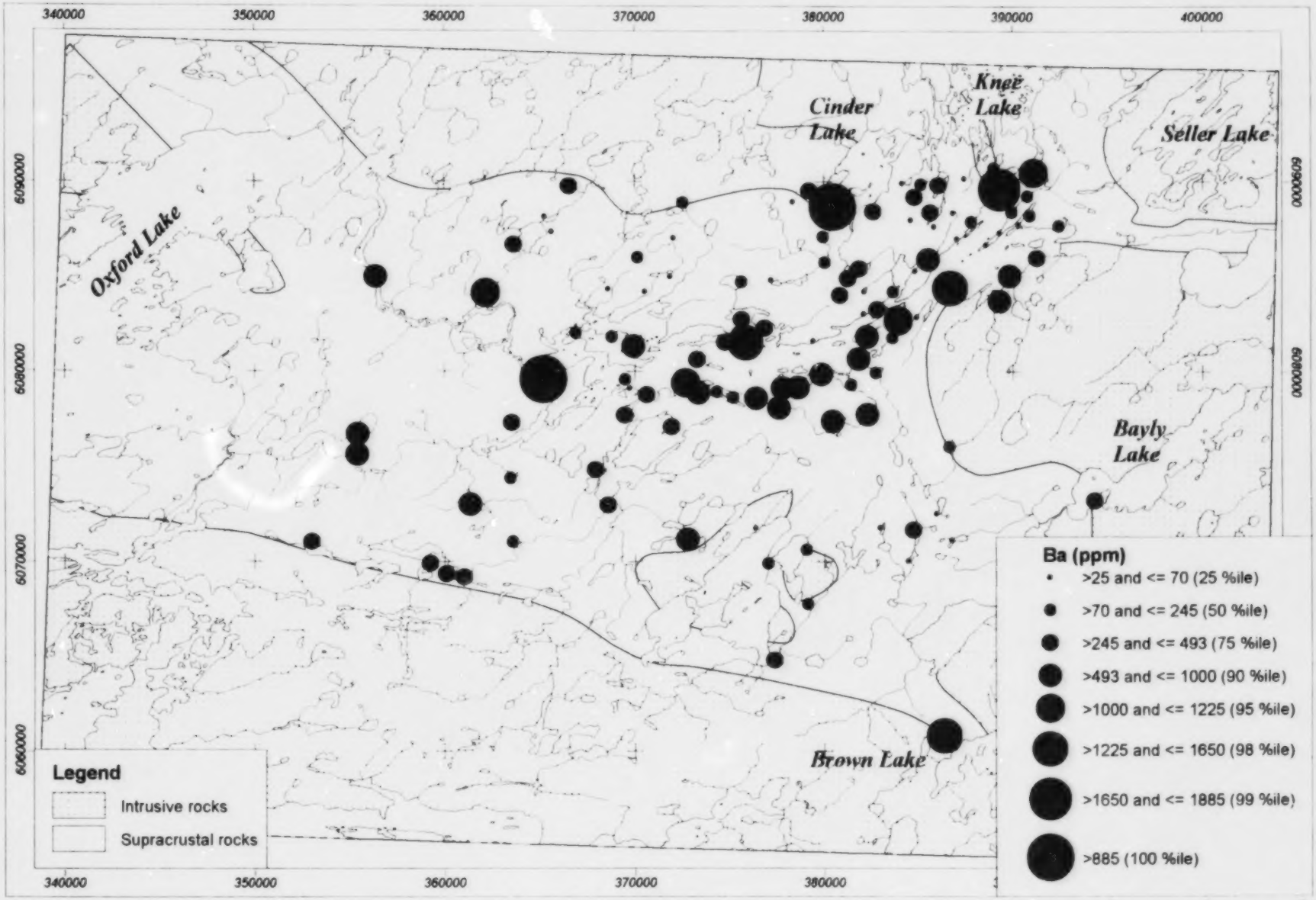
Outcrop rock chips - 115 samples
INAA

Appendix R-7-1



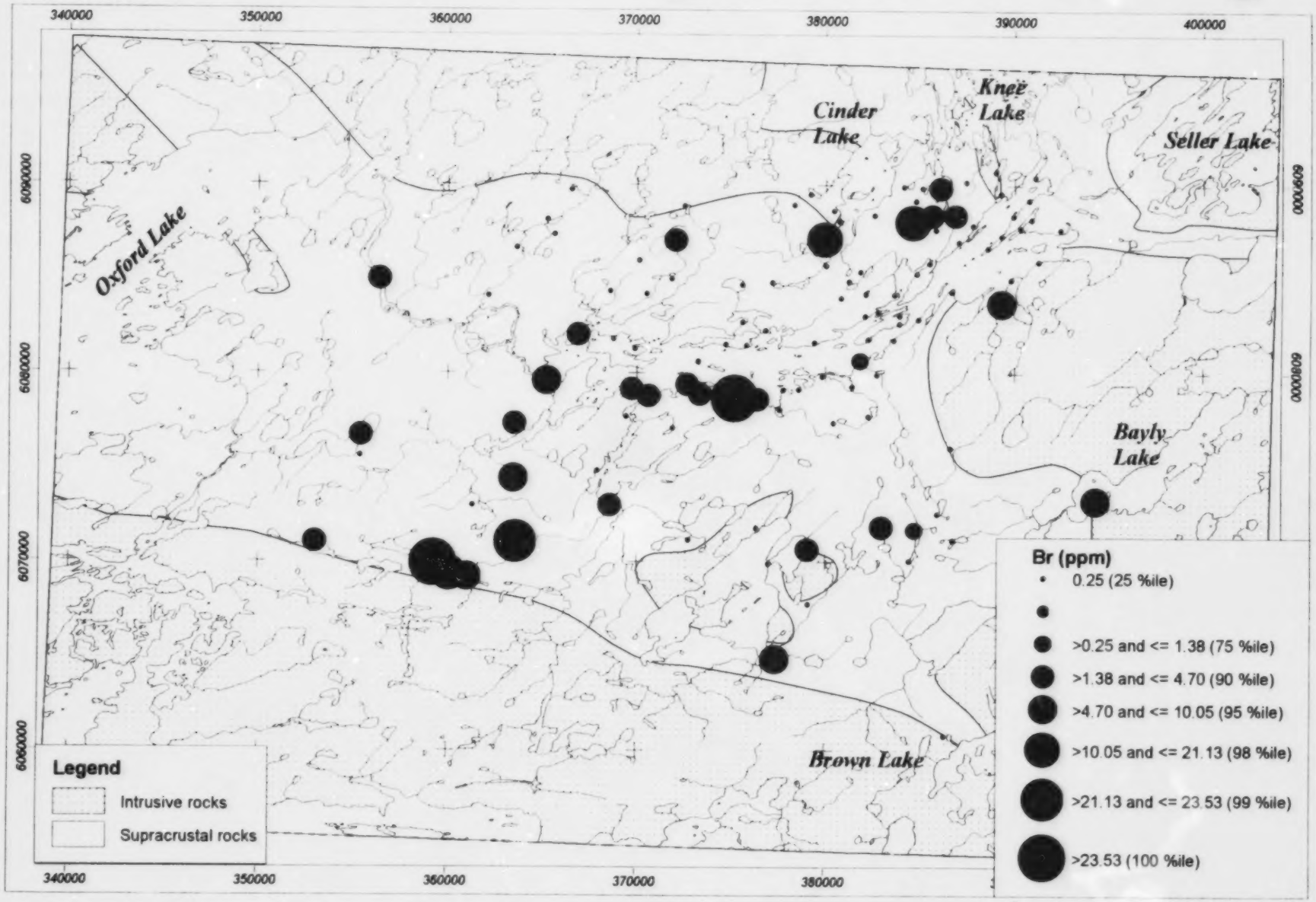
Outcrop rock chips - 115 samples
INAA

Appendix R-7-2



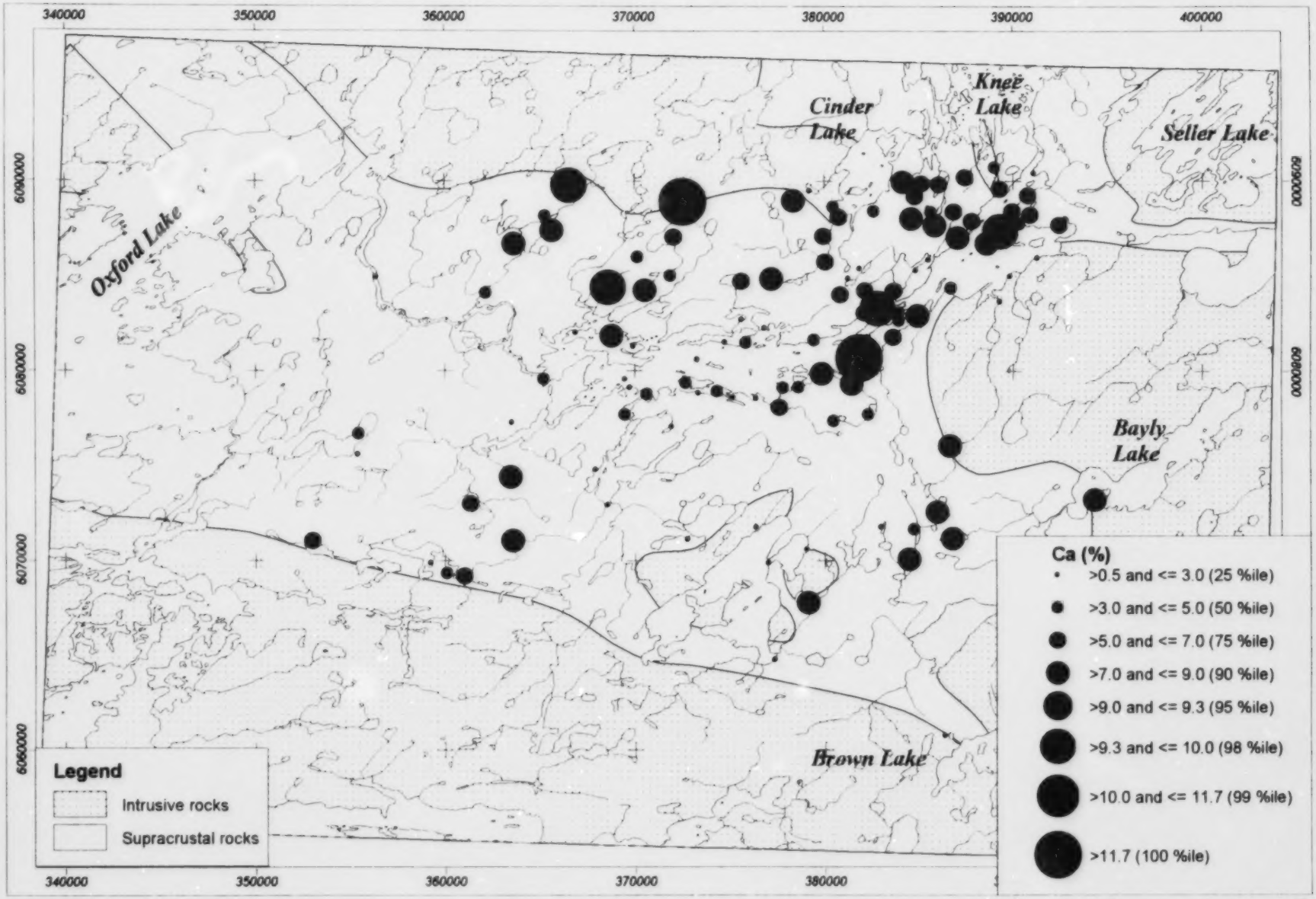
Outcrop rock chips - 115 samples
INAA

Appendix R-7-3



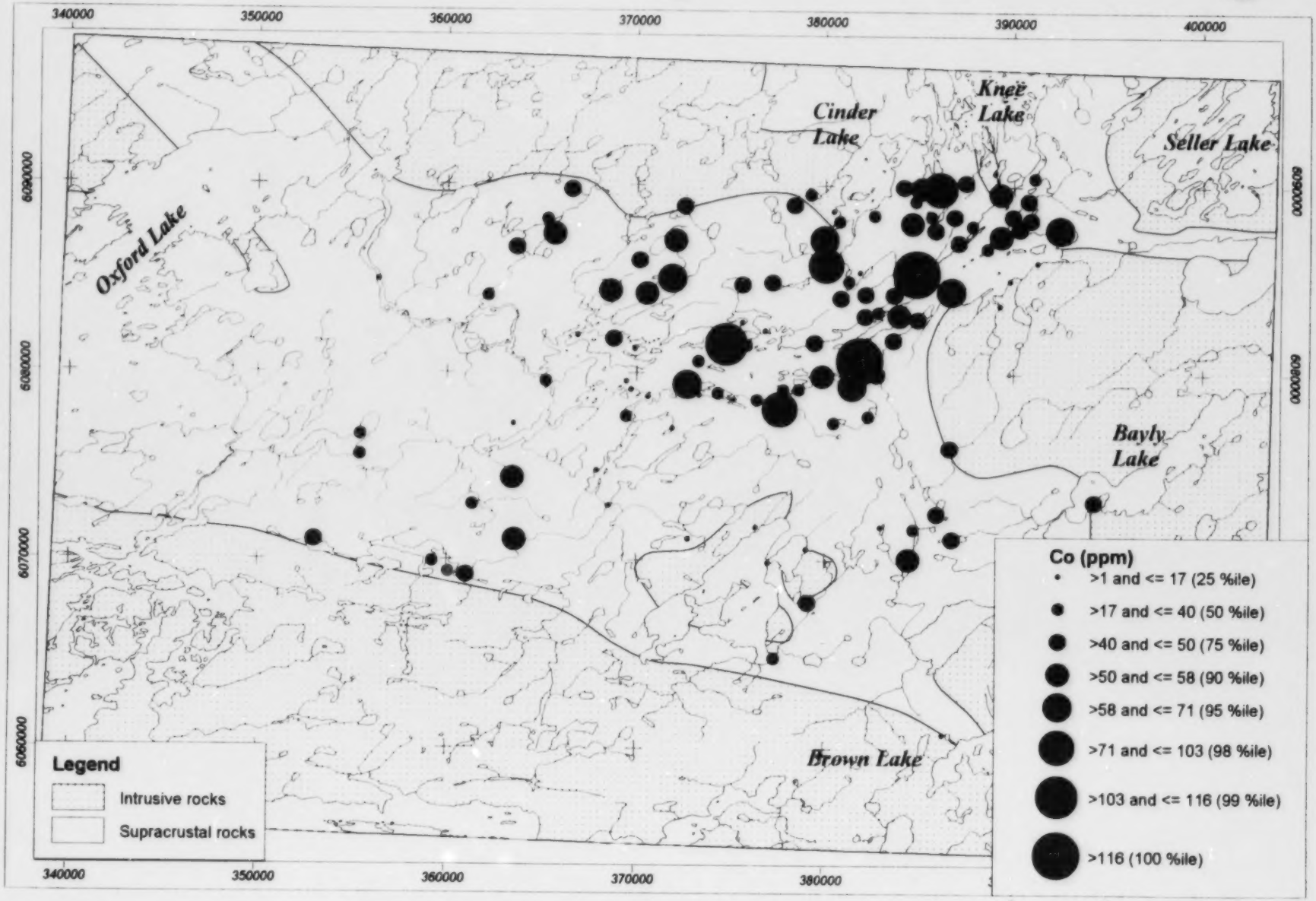
Outcrop rock chips - 115 samples
INAA

Appendix R-7-4



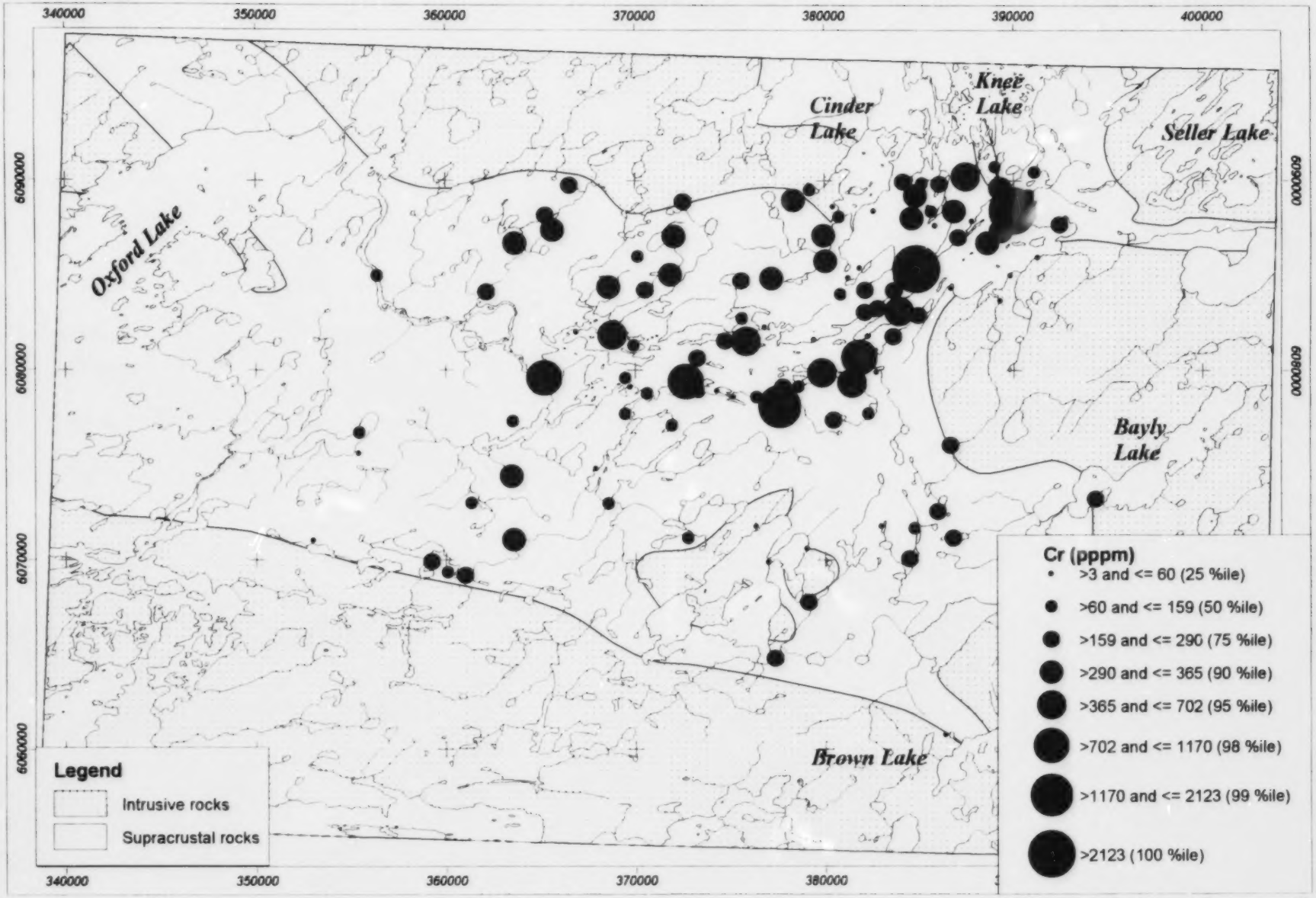
Outcrop rock chips - 115 samples
INAA

Appendix R-7-5



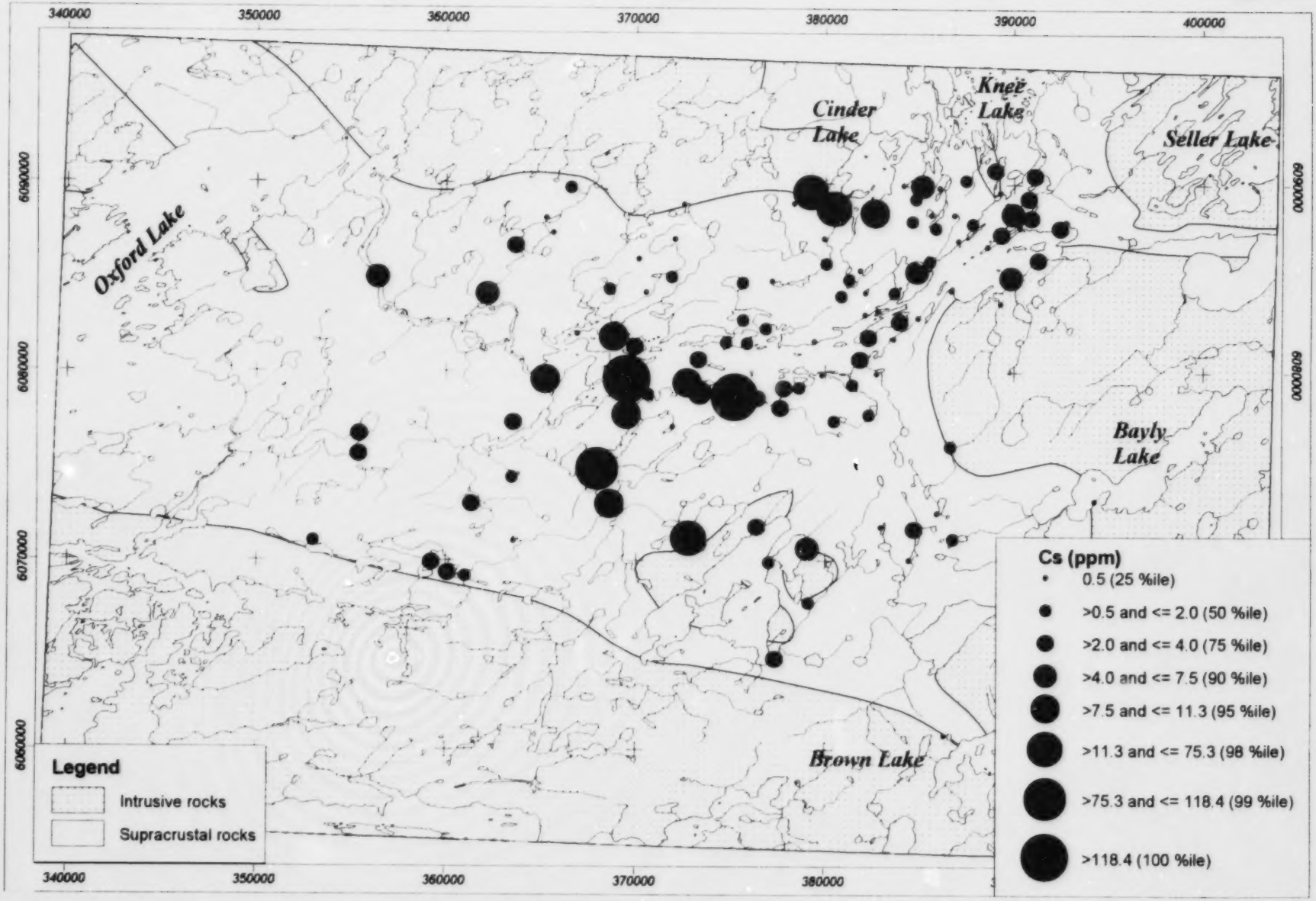
Outcrop rock chips - 115 samples
INAA

Appendix R-7-6



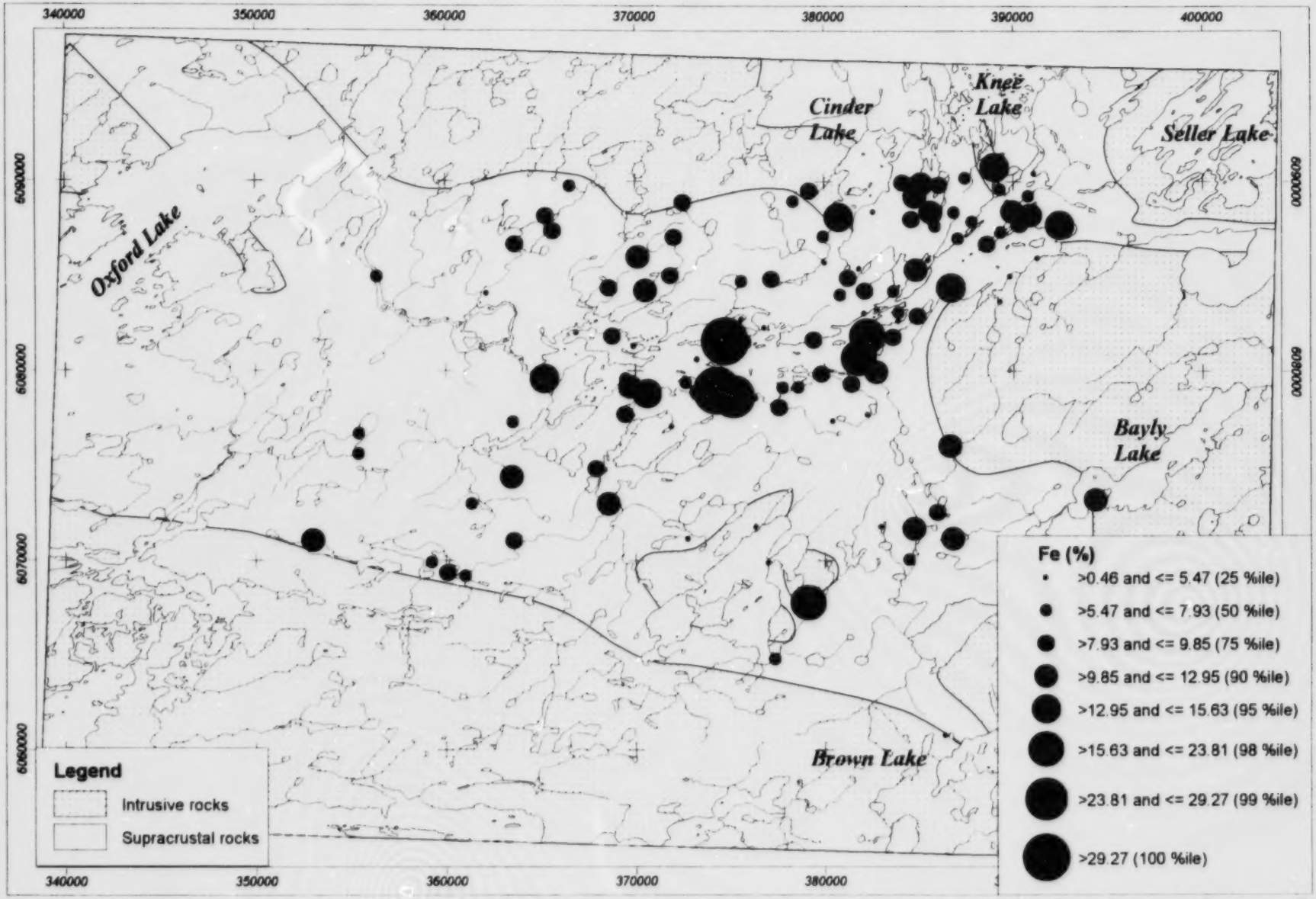
Outcrop rock chips - 115 samples
INAA

Appendix R-7-7



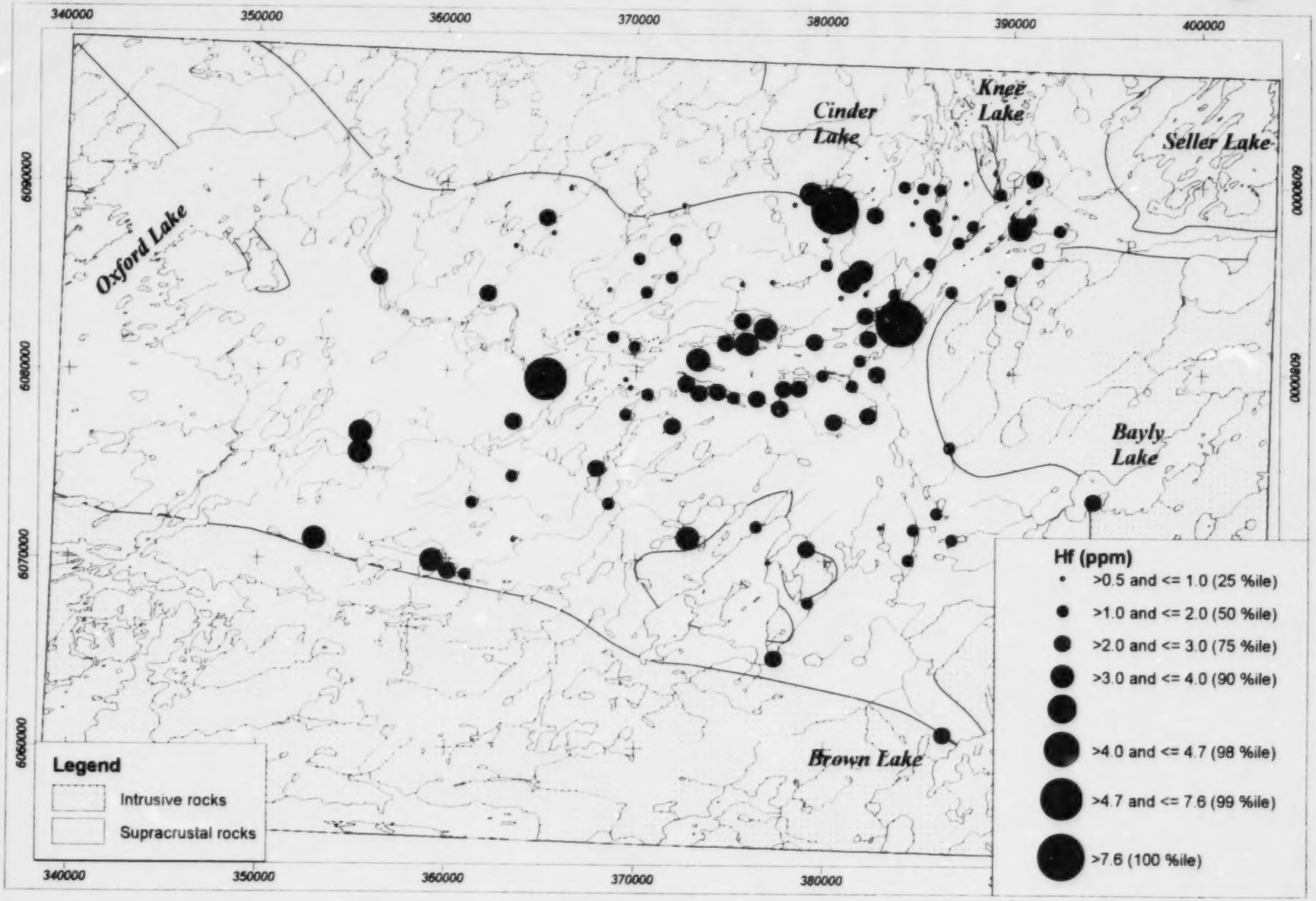
Outcrop rock chips - 115 samples
INAA

Appendix R-7-8



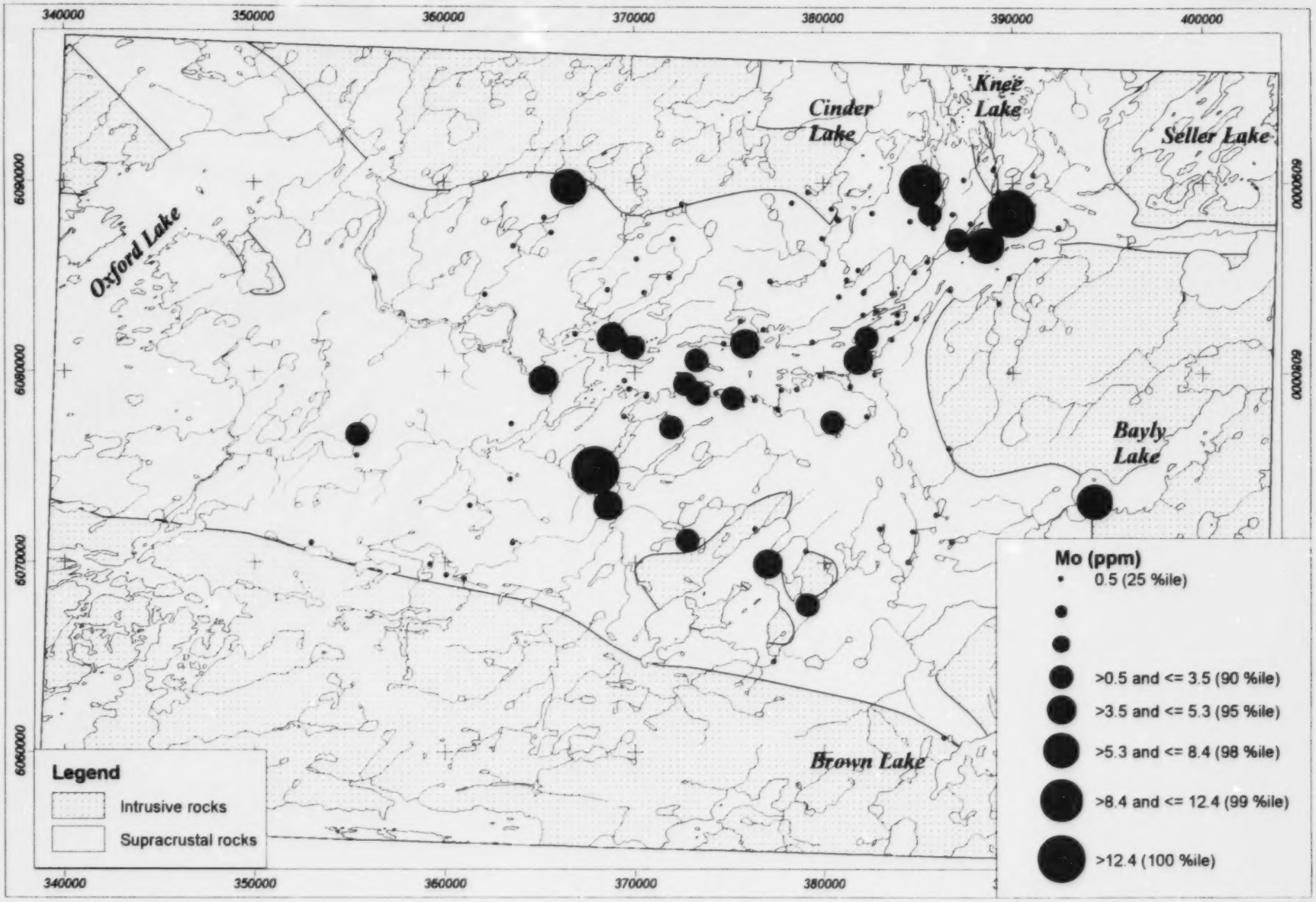
Outcrop rock chips - 115 samples
INAA

Appendix R-7-9



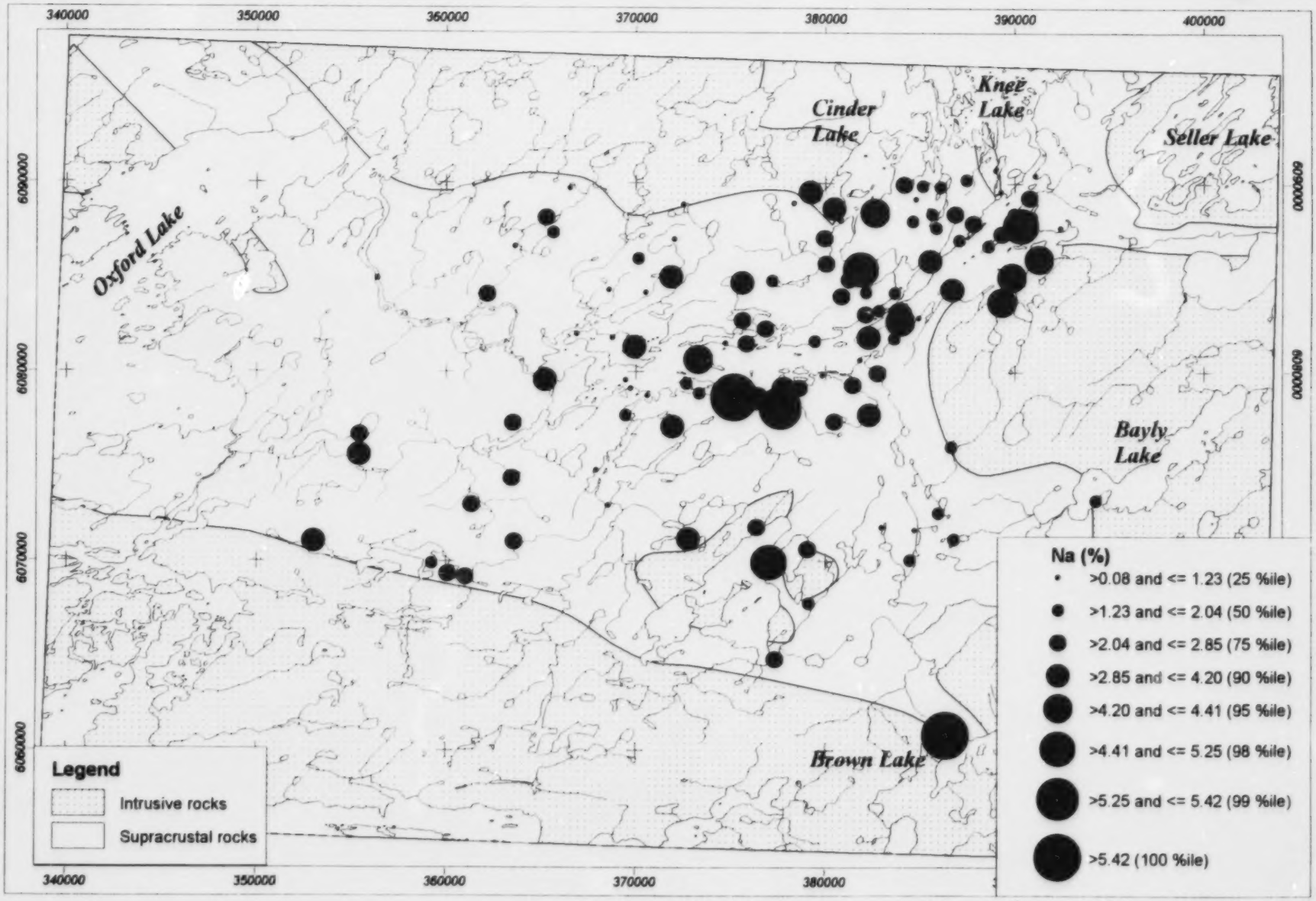
Outcrop rock chips - 115 samples
INAA

Appendix R-7-10



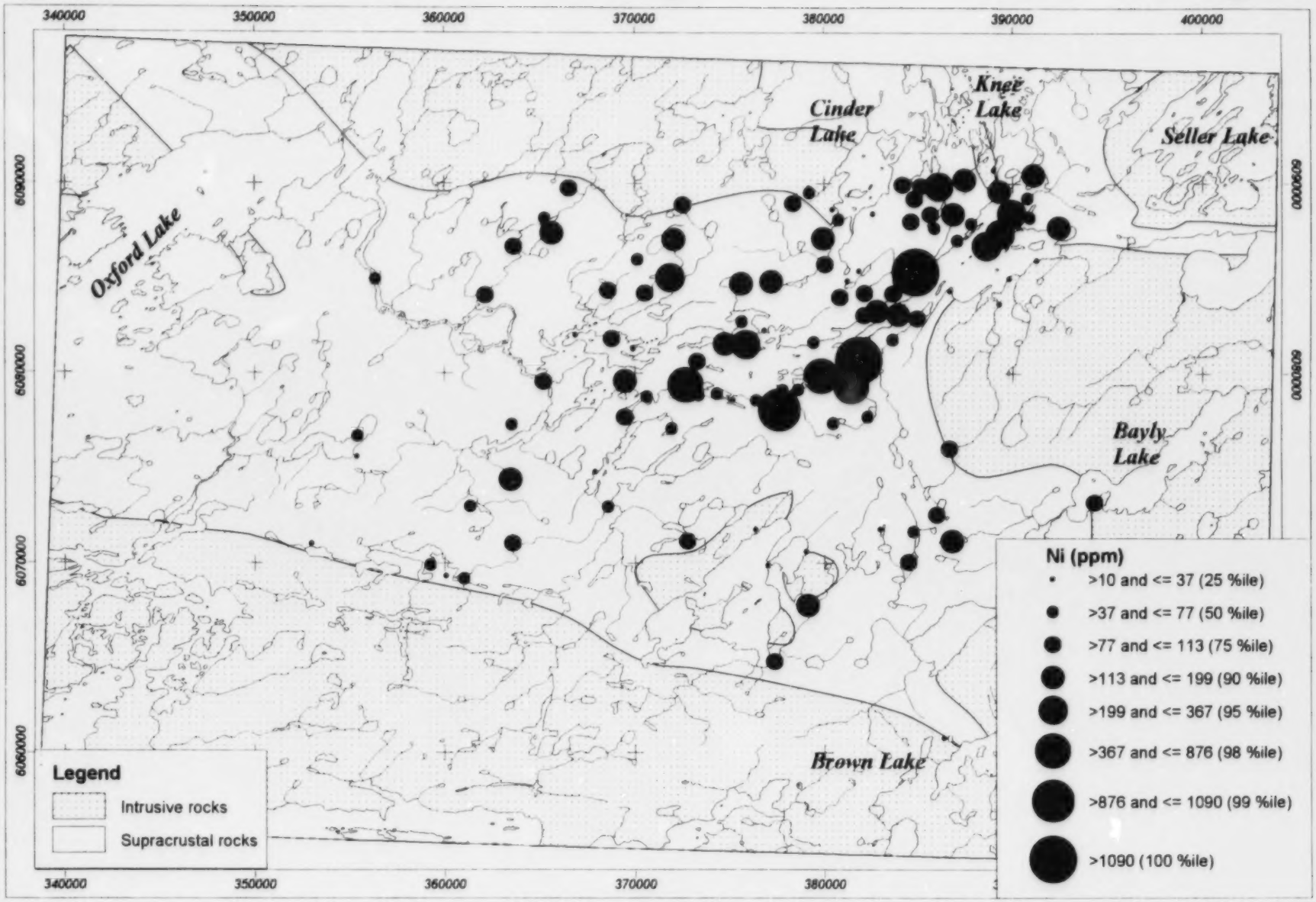
Outcrop rock chips - 115 samples
INAA

Appendix R-7-11



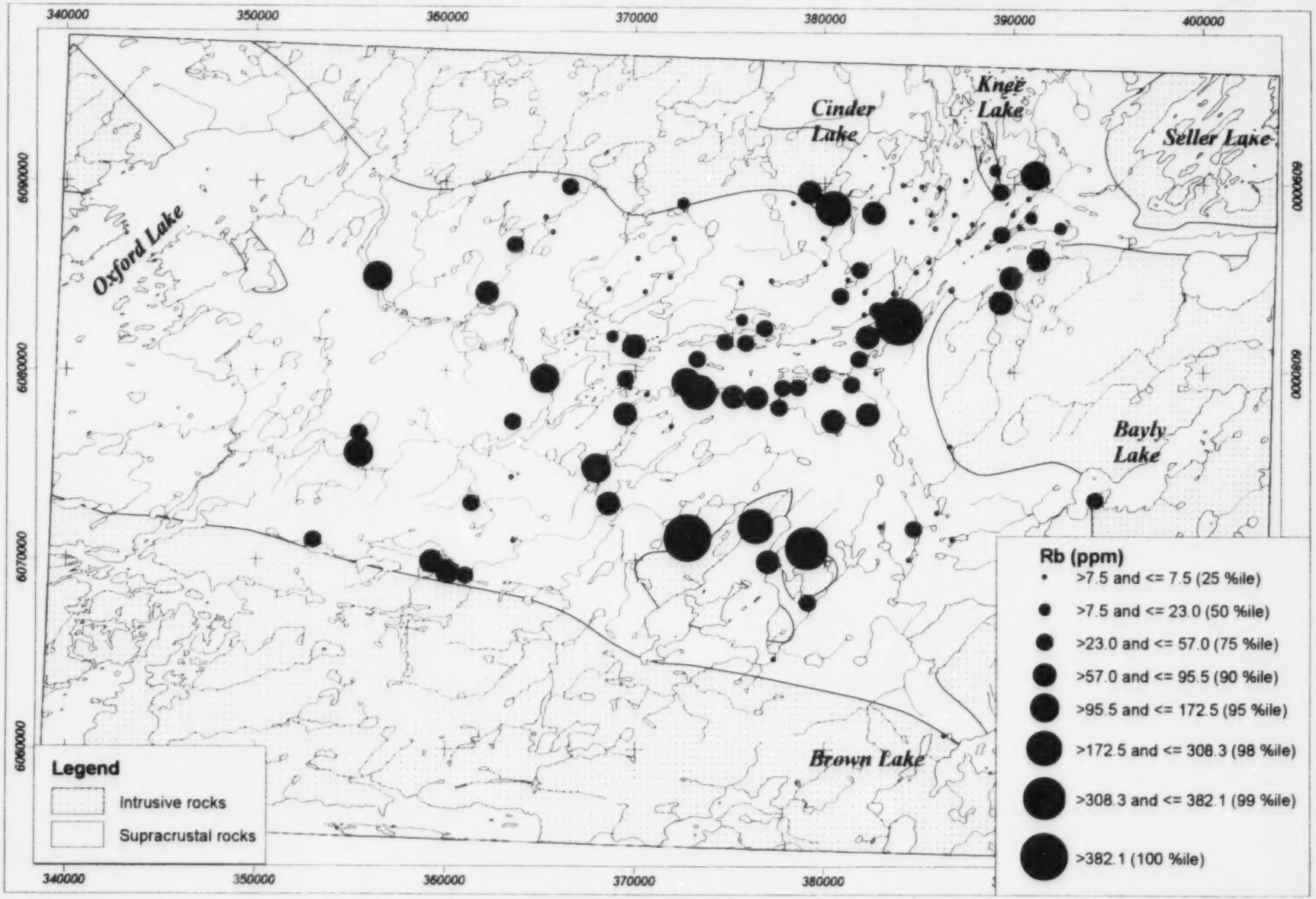
Outcrop rock chips - 115 samples
INAA

Appendix R-7-12



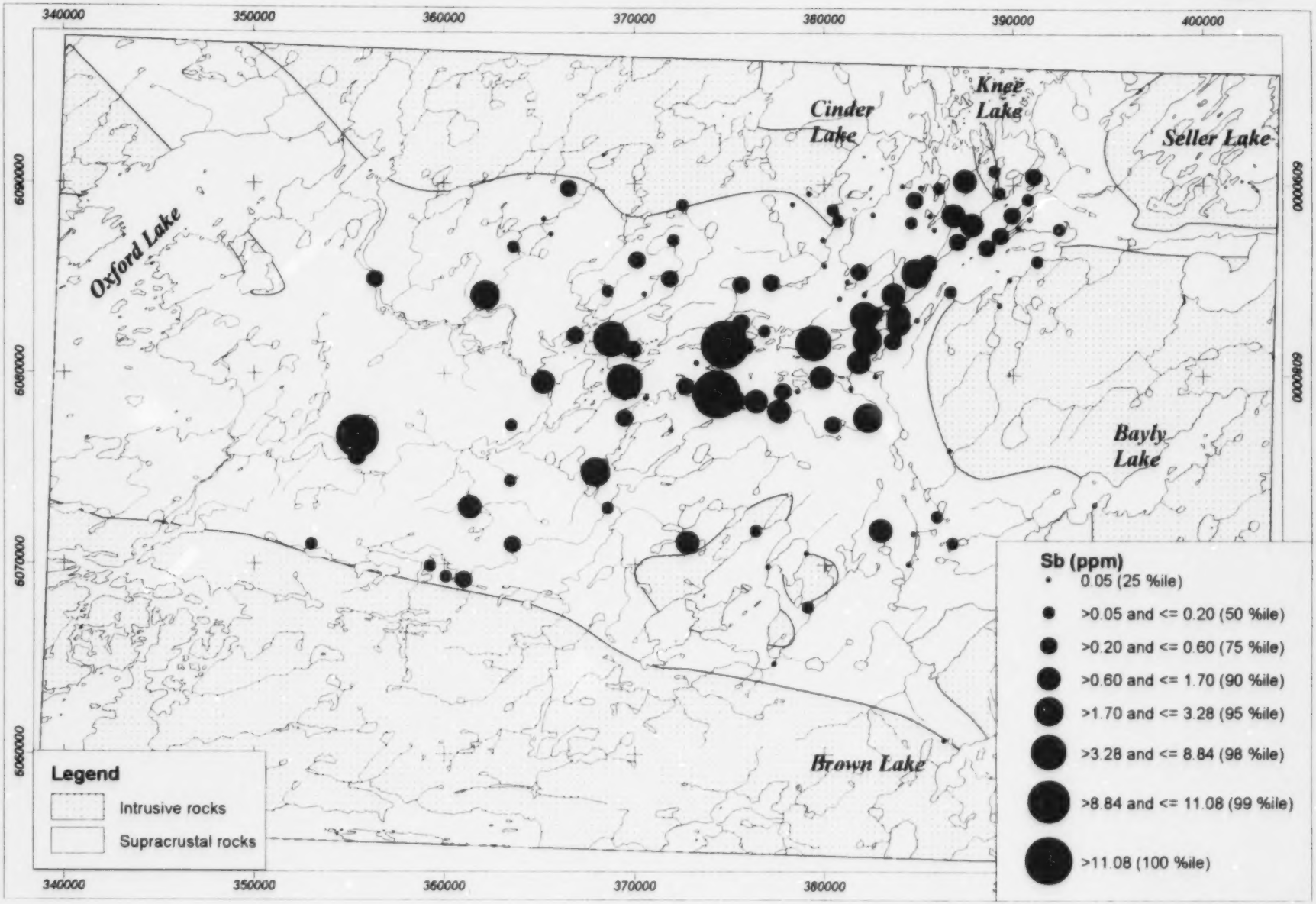
Outcrop rock chips - 115 samples
INAA

Appendix R-7-13



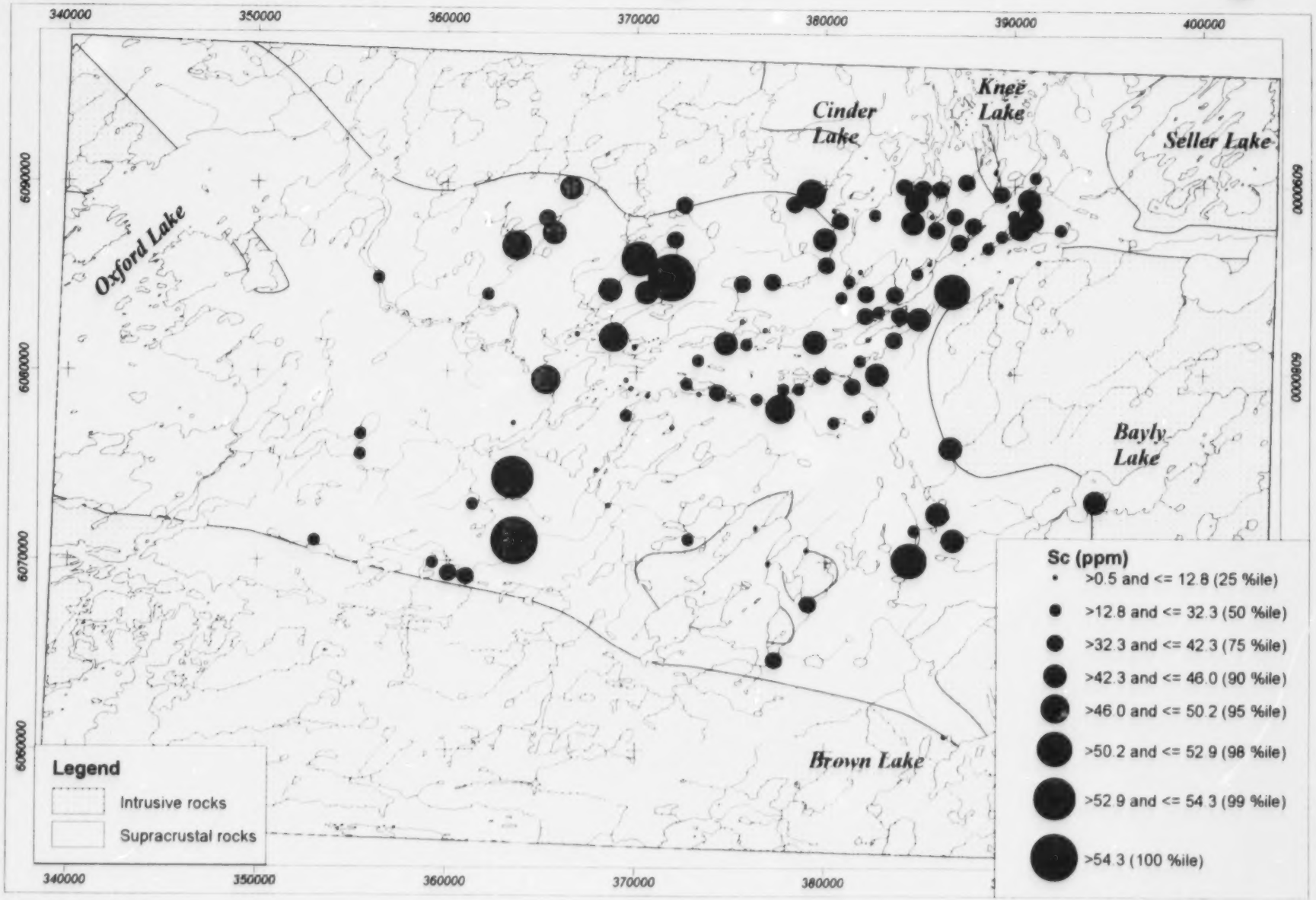
Outcrop rock chips - 115 samples
INAA

Appendix R-7-14



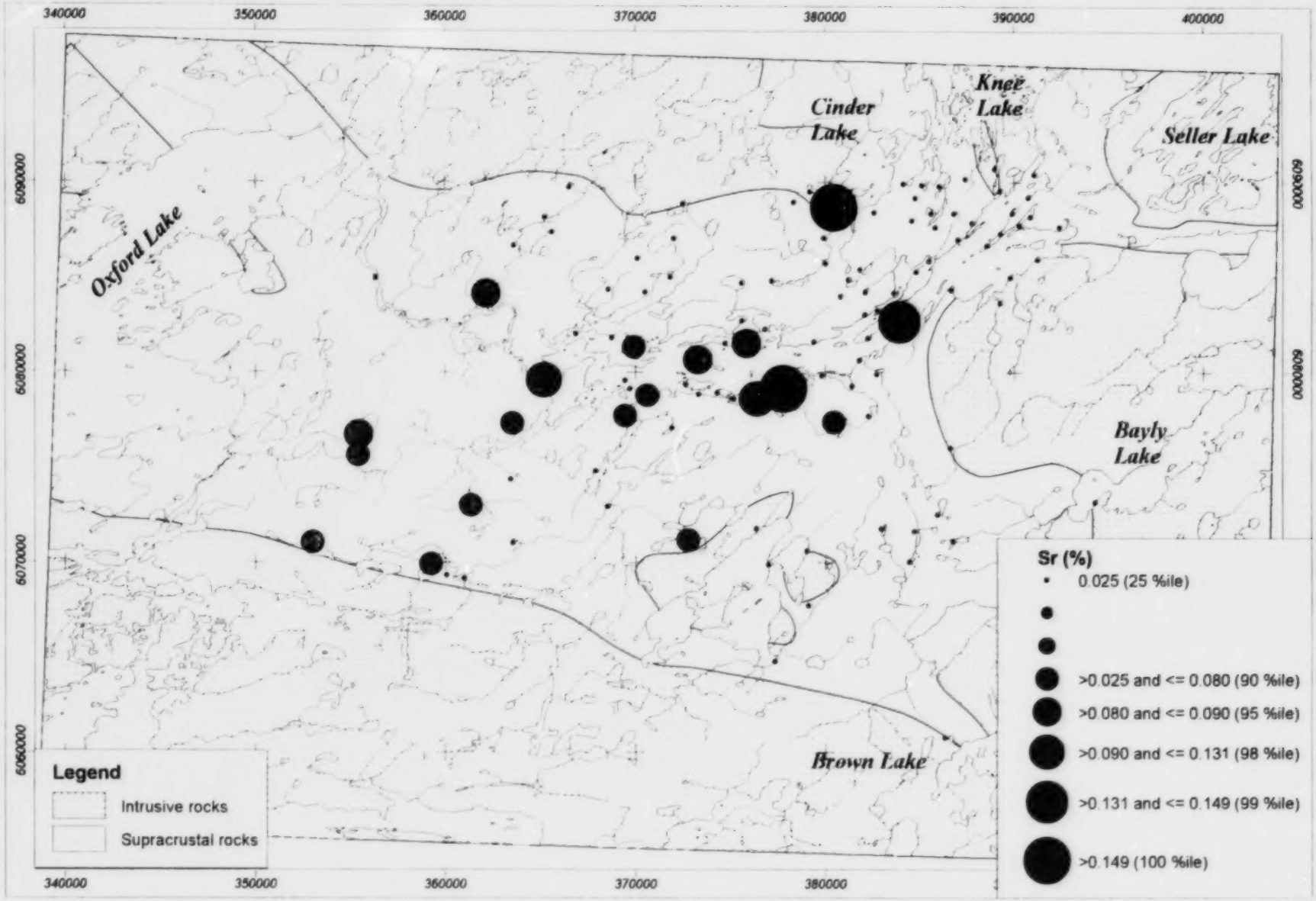
Outcrop rock chips - 115 samples
INAA

Appendix R-7-15



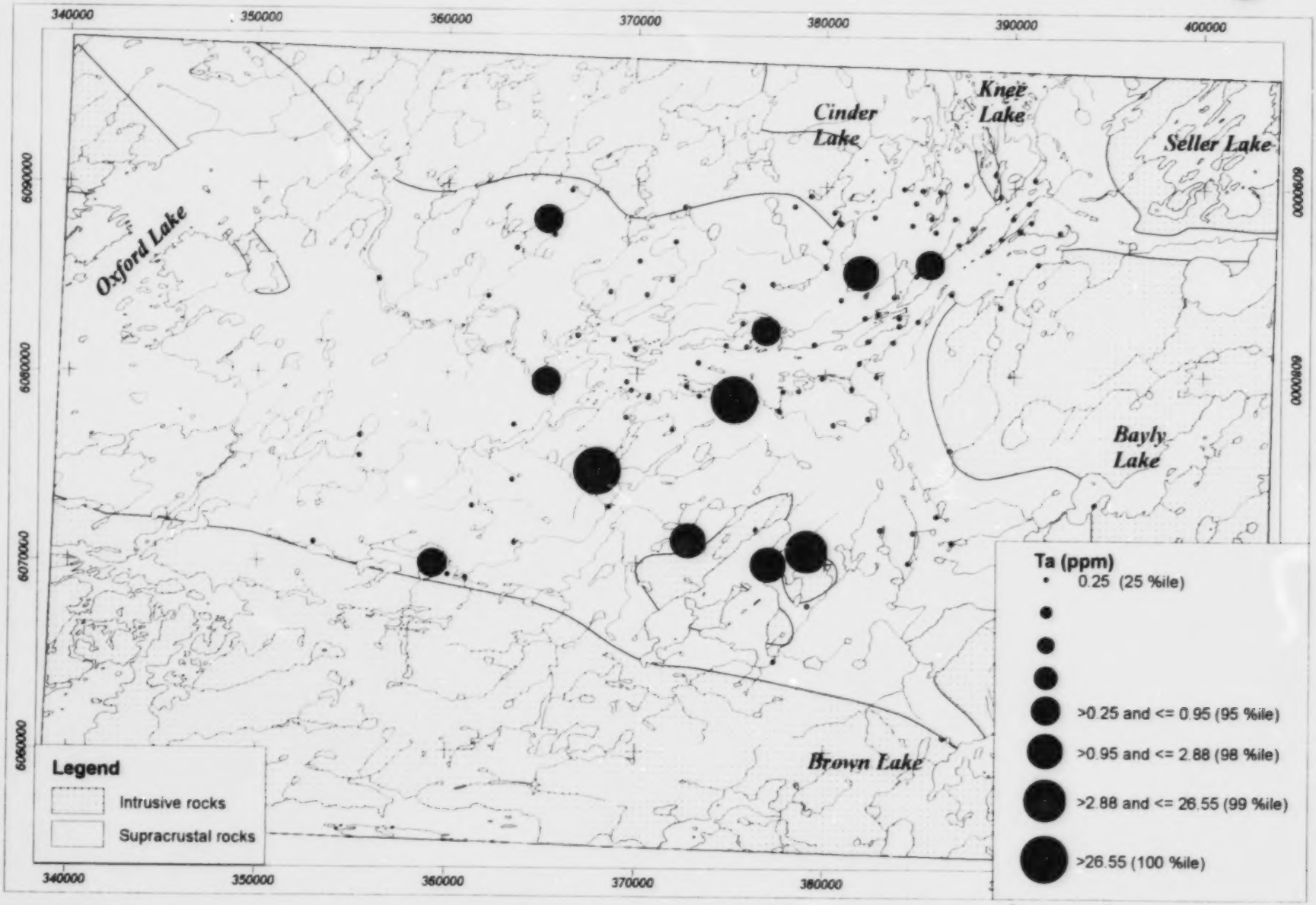
Outcrop rock chips - 115 samples
INAA

Appendix R-7-16



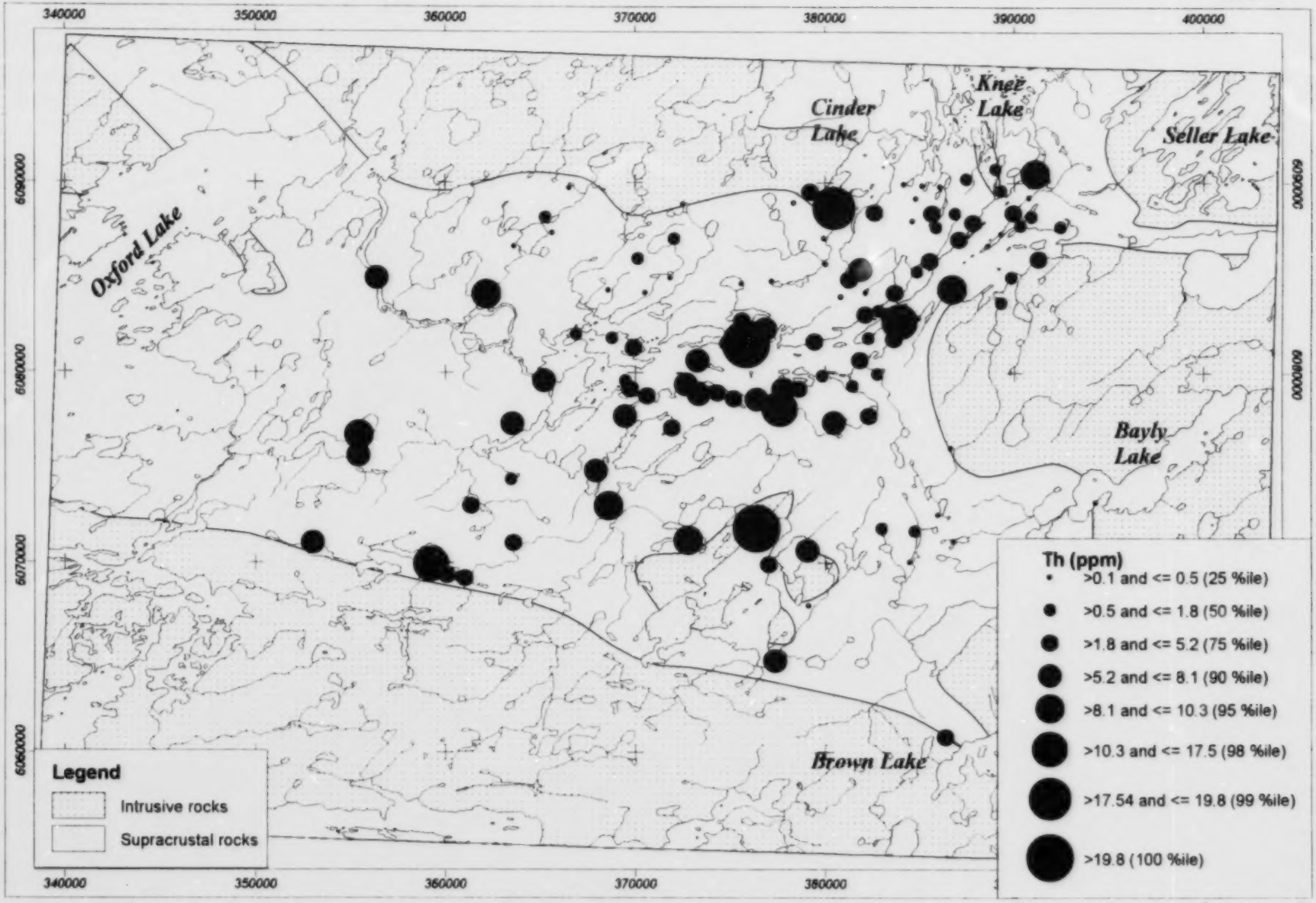
Outcrop rock chips - 115 samples
INAA

Appendix R-7-17



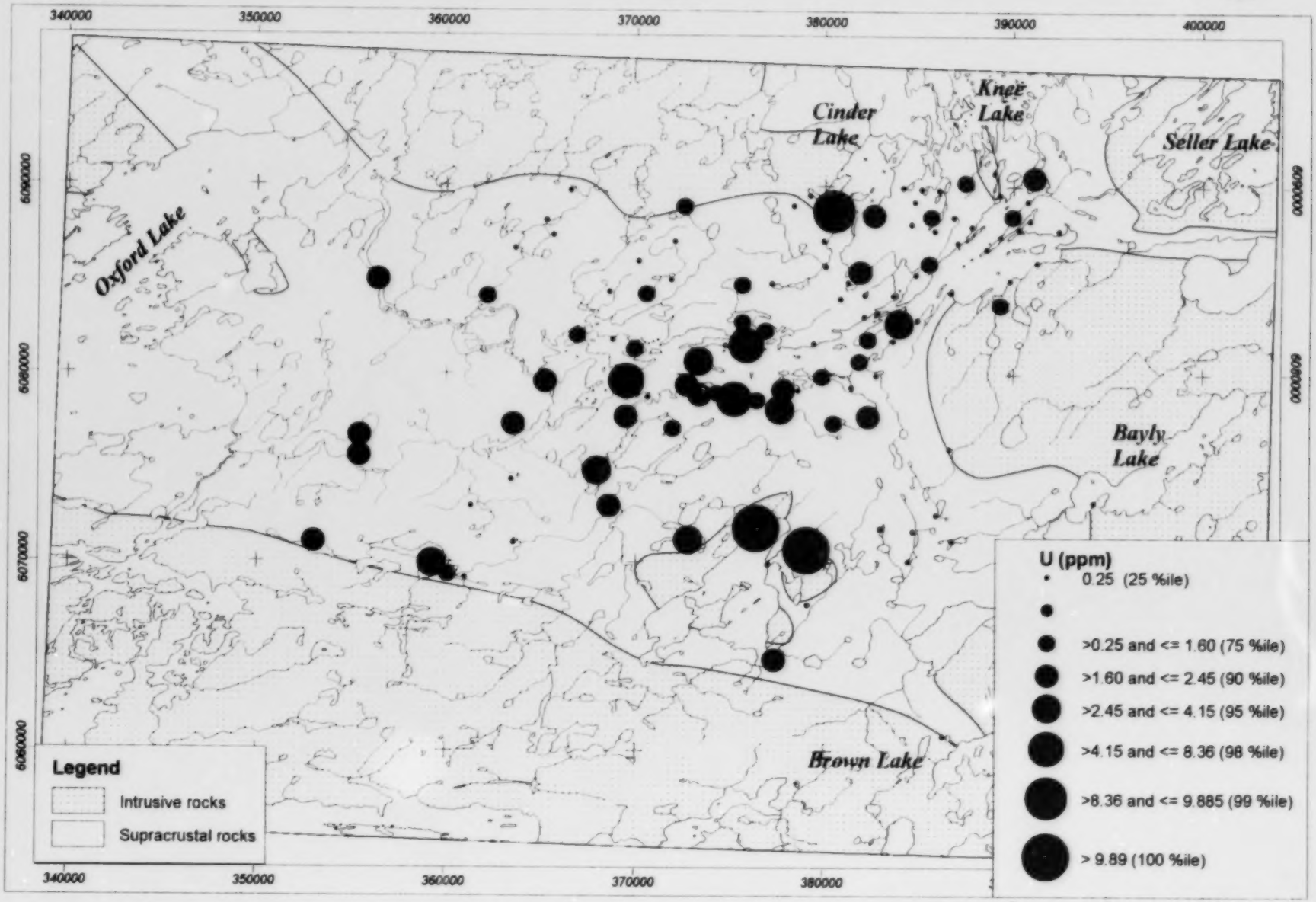
Outcrop rock chips - 115 samples
INAA

Appendix R-7-18



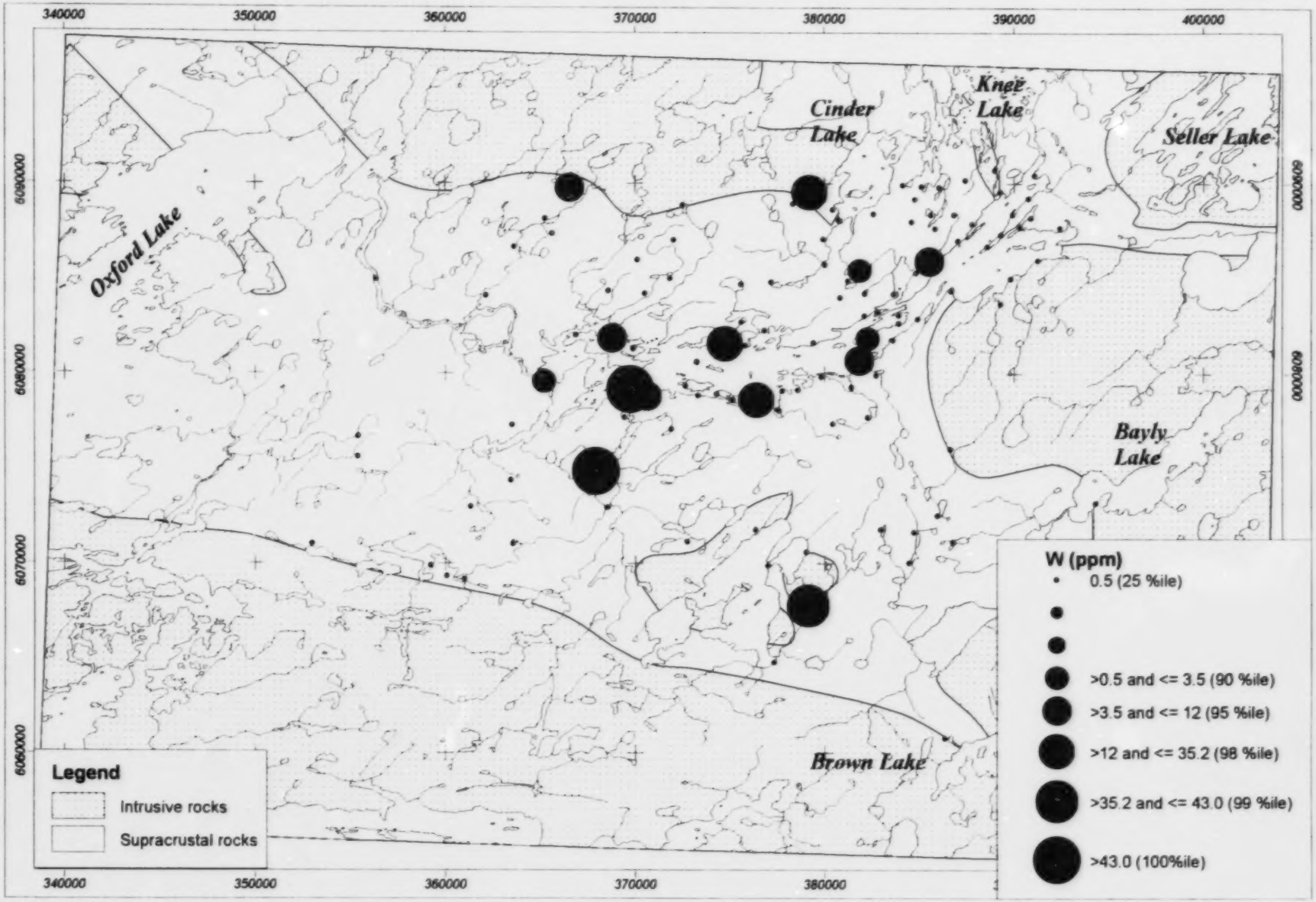
Outcrop rock chips - 115 samples
INAA

Appendix R-7-19



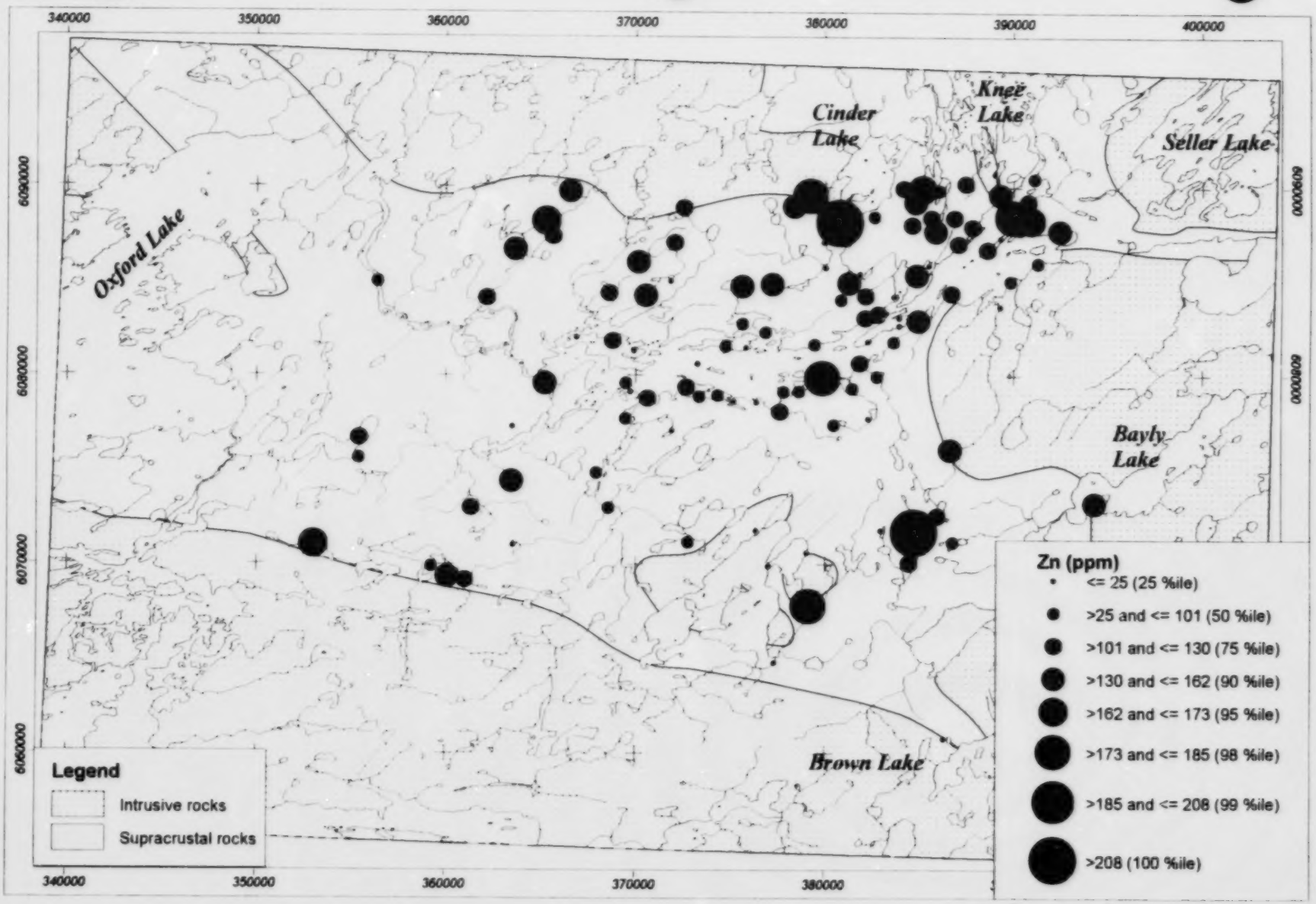
Outcrop rock chips - 115 samples
INAA

Appendix R-7-20



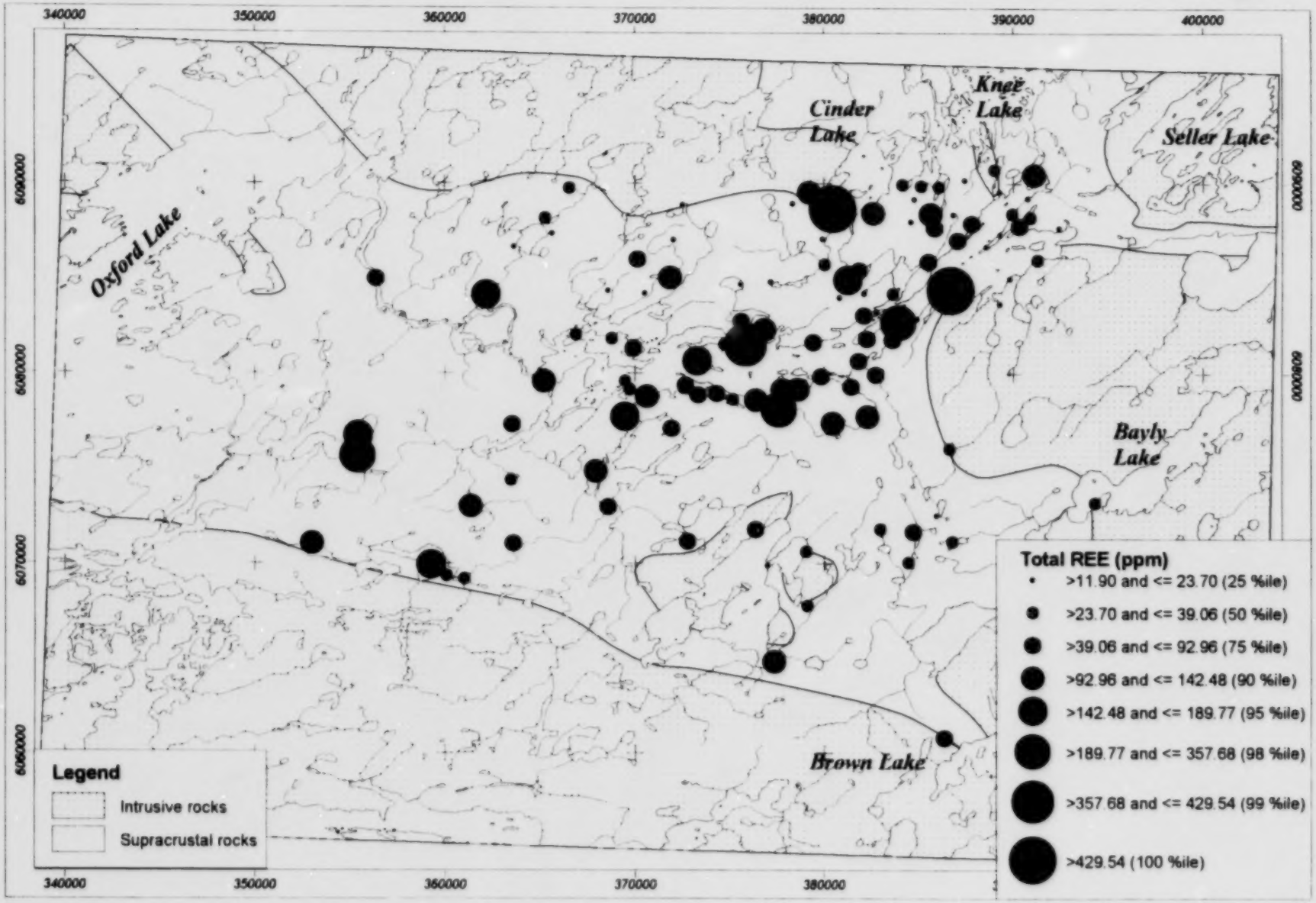
Outcrop rock chips - 115 samples
INAA

Appendix R-7-21



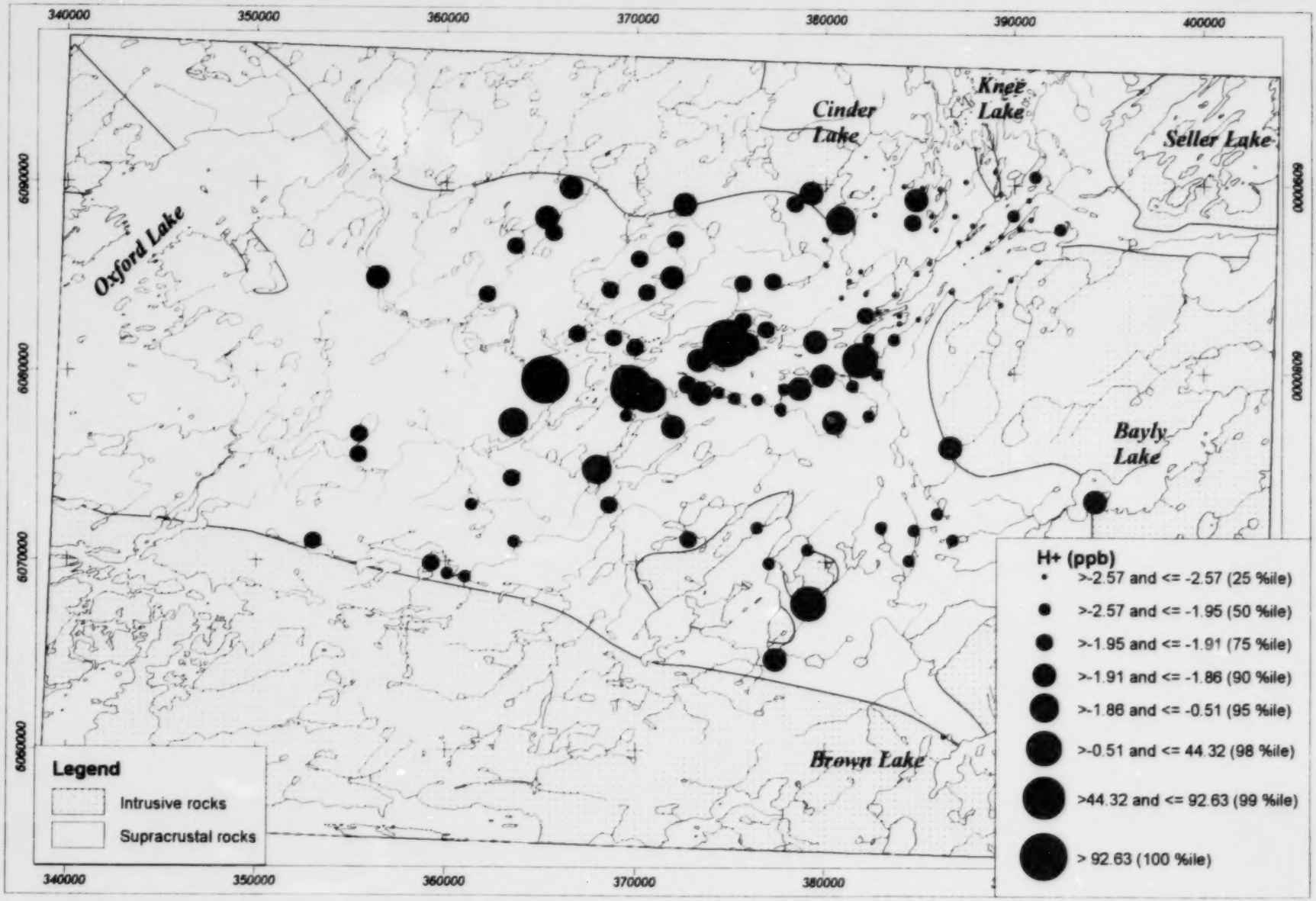
Outcrop rock chips - 115 samples
INAA

Appendix R-7-22



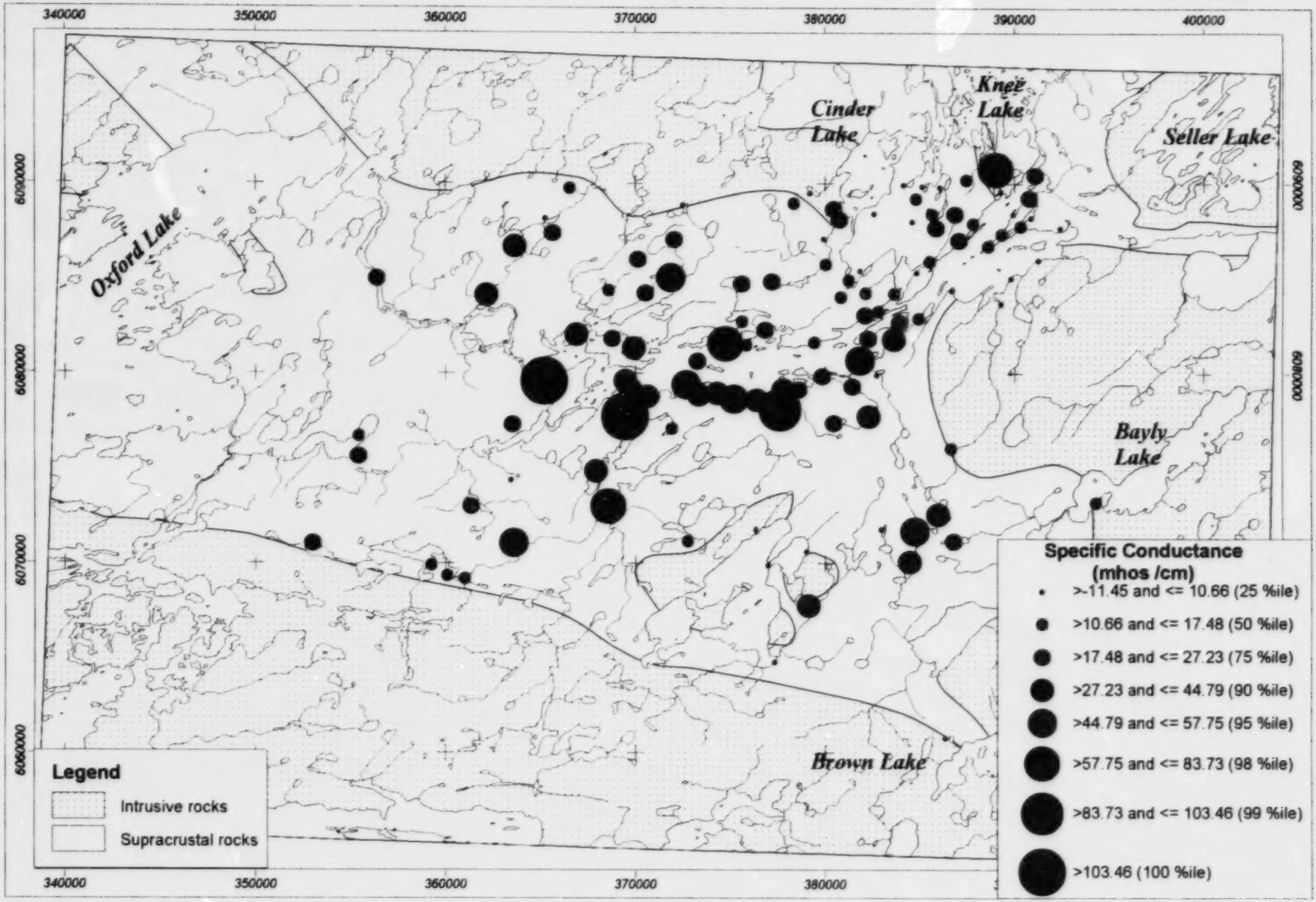
Outcrop rock chips - 115 samples
INAA

Appendix R-7-23



Outcrop rock chips - 115 samples
INAA

Appendix R-7-24



Outcrop rock chips - 115 samples
INAA

Appendix R-7-25

TILL GEOCHEMICAL SURVEY

Methods

Field methods

Till samples were collected from hand-dug holes to bedrock, a maximum depth of about one metre or until relatively unoxidized c-horizon till was intersected. Till, or related sediment, was collected at 239 sites. Of the 239 samples collected 13 samples are not classified as till. These include samples 15, 16, 51, 98, 223, 225, 250, 263, 268, 274, 275, 279 and 301. Samples 15, 16, 98, 223, 274, 279 and 301 are sand or sandy gravel of glaciofluvial origin. Samples 225, 263, 268, and 275 are sandy diamictons and may be considered to be of proximal glaciofluvial origins. Sample 250 is glaciolacustrine clay. Sample 51, with almost no carbonate, is not considered to be of glaciogenic origin, but may be modern alluvial sediment or regolith. Alternatively, sample 51 may be the lateral equivalent of similar low carbonate till found in the Webber Lake, Knife Lake, Goose Lake and Echimamish River areas (Fedikow et al. 1999), although this seems unlikely as it is the only sample like it encountered in the area!

Of the 239 pits dug, only 24 terminated on bedrock and in all but 29 cases the till was capped by chocolate-brown, fine-textured, glaciolacustrine clay. Consequently the till samples showed few signs of near surface weathering. Mixing of glaciolacustrine clay and till due to frost action is a common occurrence throughout the area.

Laboratory methods

Two size fractions, a <2µm (clay) fraction and a <63µm (silt + clay) fraction, were prepared in the Manitoba Industry, Trade and Mines, Rock Preparation Laboratory. The <2µm fraction was prepared following standard procedures of centrifuging and decanting. The <63µm fraction was prepared by dry sieving on a 63µm stainless steel sieve. The <2µm fraction was analyzed by ICP-AES (34 element suite). In addition arsenic was analyzed by hydride generation and mercury was analyzed by cold vapour. The <63µm fraction was analyzed by INA (Au +34 element suite). The sample preparation techniques and analytical procedures (including the analytical laboratories) are the same as those used in the first three years of this survey (Fedikow et al., 1997, 1998, 1999).

A separate four gram split of the <63µm fraction was submitted to the Geological Survey of Canada for carbonate analysis using the Chittick apparatus. The percent calcite, dolomite and total carbonate, as determined by the Chittick method, are now also available for the 1996, 1997 and 1998 northern Superior till samples (Fedikow and Nielsen, unpublished).

Results

Clay fraction (<2µm)

The results of the analysis on the <2µm fraction are listed in Appendix T-1 and the percentile bubble plots are presented in Appendix T-2. The results of analysis of duplicate samples are listed in Appendix T-3. The elements displayed in the bubble plots are, with minor exceptions, the same as those reported in previous years.

Three samples (28, 34 and 45), collected over volcanic and metasedimentary gneiss near the eastern end of the sampling area have silver values above the detection limits. Site 70, with 418 ppm Cu, has the highest copper levels. Site 15 located just east of Cinder Lake is also anomalous in copper, as is site 261 at the eastern end of McLaughlin Lake. The highest lead value (57 ppm) is from a single sample taken over the greywacke at site 322. Slightly elevated lead values also occur in a multisample anomaly around site 15, east of Cinder Lake, and over the granites, at sites 83, 84 and 85 along the northern margin of the belt. Sites 15 and 16 are also anomalous in zinc, as are sites 261 and 250 located at McLaughlin Lake and near the western end of Knee Lake respectively. Sample 147 is the only sample that is marginally anomalous in molybdenum (10 ppm). Site 297, on Knee Lake, is anomalous in nickel (441 ppm) as is sample 299 just to the north of site 297. Sample 51 shows elevated values of cobalt that are not readily explained by the carbonate

concentration. Arsenic levels are high in a multisample anomaly around Michikanes Lake and in a second multisample anomaly coincident with lead and cadmium along the northern boundary of the belt in samples 81, 82, 83, 84, 85, 86 and 105. The trend of the Michikanes Lake anomaly suggests this might be a glacial dispersion train originating near the northeastern end of the lake, although this needs to be confirmed. The highest iron values are found in samples 83 and 85. Sample 16 and associated samples are slightly anomalous in barium, as are samples near the eastern end of Knee Lake and at the south end of Michikanes Lake. Elevated chromium and vanadium levels occur around sample 299, sample 261 at McLaughlin Lake and over the granite at site 85. Sites 15 and 51 are also marginally elevated in chromium and vanadium. Previously mentioned sites east of Cinder Lake (site 15) and along the granite contact (sites 82, 83 and 85) are anomalous in mercury. Site 70 with the highest mercury levels is a single sample anomaly that also shows high copper levels. High aluminum values also occur at site 85 over the granite and at sites 15, 16 and 51. Felsic to intermediate volcanic rocks north of the western end of Knee Lake have slightly elevated strontium levels. A multisample anomaly of strontium coincident with elevated silver values also occurs south of the metasedimentary rocks at the eastern end of Knee Lake. Yttrium is anomalous at site 275 east of Magill Lake and at site 85 and associated samples. Samples 16, 51 east of Cinder Lake are anomalous in gallium, as is sample 85 along the granite contact. Lithium is anomalous in samples 85, as well as in samples 261 near McLaughlin Lake and 250 near the western end of Knee Lake. Sites 16, 85 and 275 are anomalous in scandium, as are samples 66 and 154. Sample 66 is also anomalous in titanium, as are sites 317, 285 and 250. Zirconium values are generally slightly higher over the volcanic rocks except for sites 214, 215, 344, 345 and 346 around Michikanes Lake, which have the highest levels in the region. These high zirconium levels are coincident with high arsenic values. The only high sulphur values are those found at the eastern end of the lake coincident with high silver and strontium levels.

Silt plus clay fraction (<63µm)

Analytical data (INA) for the silt plus clay fraction is listed in Appendix T-4 and the duplicate analysis are listed in Appendix T-5. The percentile bubble plots are shown in Appendix T-6.

Gold values, in the <63µm fraction, are generally low. Samples collected over volcanic rocks in the northern half of the area have slightly higher gold values than the samples collected over the sedimentary rocks to the south, but the difference is slight. Only samples 150 (27 ppb), 78 (18 ppb) and 292 (15 ppb) can be considered to be marginally anomalous. Multi-sample anomalies of arsenic occur around Michikanes Lake in the silt plus clay fraction (previously noted in the clay fraction). Sites 16 and 18, east of Cinder Lake, are also slightly anomalous in arsenic. Sites 16 and 51 are anomalous in barium. Elevated bromine levels occur in samples 28, 29 and 32 at the eastern end of Knee Lake and south of Mukataysip Lake in samples 228, 229, 230, 233, 234, 235 and 335. Bromine and calcium values are also marginally higher over and around the pluton at Magill Lake. Calcium is high in samples 233, 234, 235 and 335 south of Mukataysip Lake coincident with elevated levels of bromine, cobalt, chromium and cesium. Samples 16 and 51, east of Cinder Lake, also have slightly elevated levels of cobalt. Chromium values are also high in samples 250, 251 and 299 coincident with high levels of cobalt and cesium. Iron concentrations are high south of Mukataysip Lake. Iron levels are also high in samples 15, 16, 18, 51 and 56 east of Cinder Lake. Iron is also high in samples 250, 252 and 299 coincident with elevated levels of cobalt, chromium and cesium. Hafnium is higher over the volcanic rocks in the northern half of the belt, than over the sedimentary rocks in the south, testifying to the presence of a noticeable local component in the till. Nickel is found almost exclusively over volcanic rocks in the northeastern and eastern part of the area; this is a similar distribution to gold. A prominent multisample, multielement anomaly comprising nickel and rubidium is found north of Hawkins Lake at sites 288, 289, 290 and 291. Rubidium is also slightly elevated in several samples south of Mukataysip Lake, in samples 249 and 250, as well as in samples 15, 16 and 51. Scandium and thorium are high in numerous samples

south of Mukataysip Lake, east of Cinder Lake and at sites 66, 250, 251 and 299, coincident with numerous other elements. Uranium is generally slightly higher in samples collected over the volcanic rocks in the north than in samples taken over the sedimentary rocks in the south, whereas the reverse is generally true for zinc, which is slightly more common in the samples taken over the sedimentary rocks.

Carbonate content

The results of carbonate analysis are listed in Appendix T-7 and the percentile bubble plots are shown in Appendix T-8. The carbonate content of the till is an indicator of long distance glacial transport of material from the Hudson Bay Lowland. Clearly a large proportion of the till matrix is allochthonous and was derived from the Paleozoic carbonate bedrock, 180 km to the northeast. The relationship between calcite and dolomite of the till samples is shown in Appendix T-9. Dolomite concentrations vary only slightly between approximately 18 and 28% whereas calcite levels range between 5 and 25%.

Dolomite is concentrated north and south of Knee Lake in several broad, diffuse bands trending approximately 230°, parallel to the regional ice flow. These broad trends are not apparent in the calcite distribution and consequently the patterns in the dolomite are only weakly reproduced in the total carbonate content (calcite + dolomite). Observations during the present field program and mapping by Clarke (1988) indicate that relatively high dolomite concentrations occur in areas of thin, non-drumlinized till. Conversely, samples collected from areas with thick drumlinized till generally have lower dolomite concentrations. These observations suggest different source areas for these two morphologically distinct till units.

Summary

The relationship between total carbonate, in the <63µm fraction and the geochemistry of the <2µm fraction are listed in Appendix T-10. Most elements are negatively correlated with the total carbonate so that as the carbonate content increases elemental concentrations go down. This indicates the till is diluted with allochthonous carbonate material derived by long distance glacial transport from Hudson Bay. Despite this dilution, regional variations in the composition of the till are evident and several multisample, multielement anomalies occur in the area.

Samples collected over volcanic rocks in the northern part of the area are enriched in Hf, Th and U, in the <63µm fraction, and in Cu, Pb, Zn, Ni, Co, Fe, Mn, Cr, V, Hg, La, Al, Mg and Na, in the <2µm fraction. This suggests a significant local contribution to the composition of the till.

Some or all of samples 15, 16 and 51 collected east of Cinder Lake are anomalous in Cu, Pb, Zn, Co, Cr, V, Al and Ga, in the <2µm fraction, and in As, Ba, Co, Fe and Rb, in the <63µm fraction. However, none of these samples are classified as till and the origin of the anomalies is uncertain. The anomalies are, nevertheless, thought to have been derived locally.

Elevated levels of Ni are found in samples 297 and 299. Sample 299 also has high levels of Co, Cr, V, Fe and Cs. Samples 81, 82, 83, 84, 85, 86 and 105 along the northern boundary of the belt have high levels of Pb, Cd, As and Hg. A prominent As anomaly occurs in samples 214, 215, 344, 345, 346, 348, and 208 around Michikanes Lake. Elevated Br levels occur in samples 28, 29 and 32 at the eastern end of Knee Lake and south of Mukataysip Lake in samples 228, 229, 230, 233, 234, 235 and 335. Sample 250, a glaciolacustrine clay sample, shows high levels of several elements including Zn, Li, Ti, Fe, Rb and Sc, highlighting the need for care when sampling till from pits dug into cryoturbated clay and till, which is common in northeastern Manitoba. Dolomite in the <63µm fraction is associated with thin non-drumlinized till in the northeastern part of the area.

ICP-AES, Hg (Cold Vapour - AAS) And As (Hydride Generation) Analyses For The <2 Micron Size Fraction Of Till Samples.

Sample Site	UTM		Ag	Cu	Pb	Zn	Mo	Ni	Co	Cd	Bi	As	Sb	Fe	Mn	Te	Ba	Cr	V	Sn
	Easting	Northing	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
99T-2	379928.11	6087059.58	0.1	66	20	80	1.0	35	23	0.6	2.5	10.0	2.5	3.69	802	5	78	43	35	10
99T-3	380864.52	6085155.70	0.1	39	13	72	0.5	35	14	0.3	2.5	9.0	2.5	3.72	571	5	93	50	38	10
99T-4	385575.87	6057998.38	0.1	29	13	68	1.0	36	14	0.2	2.5	5.0	2.5	3.58	473	5	110	55	41	10
99T-5	386340.97	6060776.00	0.1	29	10	52	1.0	28	11	0.3	2.5	5.0	2.5	3.02	441	5	68	44	34	10
99T-7	380012.55	6085720.22	0.1	51	20	79	2.0	40	16	0.3	2.5	13.0	2.5	4.51	514	5	114	62	53	10
99T-8	381843.70	6085393.08	0.1	48	14	58	1.0	32	12	0.4	2.5	6.0	2.5	3.47	433	5	137	44	35	10
99T-9	381226.37	6084881.63	0.1	38	13	66	0.5	34	14	0.3	2.5	2.5	2.5	3.63	573	5	107	50	42	10
99T-10	380814.98	6083990.92	0.1	30	11	46	1.0	26	9	0.3	2.5	6.0	2.5	2.91	383	5	71	38	29	10
99T-11	382124.73	6084199.82	0.1	35	13	65	0.5	34	15	0.3	2.5	9.0	2.5	3.61	610	5	93	49	41	10
99T-12	384139.45	6089907.45	0.1	30	12	63	1.0	32	12	0.3	2.5	10.0	2.5	3.65	455	5	86	51	42	10
99T-13	385120.09	6089836.36	0.1	38	14	69	1.0	37	16	0.3	2.5	2.5	2.5	3.63	666	5	95	52	40	10
99T-14	386060.67	6089790.62	0.1	42	15	74	2.0	36	16	0.3	2.5	7.0	2.5	3.94	594	5	90	55	45	10
99T-15	385609.68	6088356.80	0.1	231	29	212	0.5	42	18	0.4	2.5	10.0	2.5	4.78	695	5	95	71	62	10
99T-16	386107.09	6089134.20	0.1	37	21	107	0.5	37	15	0.2	2.5	8.0	2.5	4.14	395	5	211	57	63	10
99T-17	386831.55	6088342.61	0.1	37	11	56	2.0	27	10	0.3	2.5	12.0	2.5	3.04	447	5	81	42	35	10
99T-18	384402.98	6085799.86	0.1	42	15	95	0.5	42	17	0.4	2.5	10.0	2.5	4.42	540	5	111	63	51	10
99T-19	383518.94	6085591.65	0.1	29	15	75	1.0	35	14	0.4	2.5	10.0	2.5	3.97	463	5	100	55	47	10
99T-21-1 Analytical Duplicate	384823.47	6085301.09	0.1	28	11	46	1.0	21	9	0.3	2.5	8.0	2.5	2.54	377	5	62	32	26	10
99T-21-2 Analytical Duplicate	384823.47	6085301.09	0.1	27	11	53	2.0	25	11	0.3	2.5	8.0	2.5	2.93	391	5	68	42	32	10
99T-25	390069.10	6090107.94	0.1	32	10	60	0.5	28	11	0.4	2.5	2.5	2.5	3.32	477	5	100	45	37	10
99T-26	389273.35	6089551.83	0.1	41	13	53	1.0	28	12	0.4	2.5	8.0	2.5	2.96	543	5	105	39	33	10
99T-27	388381.58	6088845.50	0.1	40	19	78	0.5	47	18	0.3	2.5	8.0	2.5	4.50	532	5	125	70	53	10
99T-28	391096.14	6090415.34	0.4	21	5	15	0.5	8	3	0.2	2.5	2.5	2.5	1.05	137	5	75	13	7	10
99T-29	390765.20	6089215.18	0.1	80	12	68	0.5	40	13	0.2	2.5	2.5	2.5	3.99	360	5	90	63	48	10
99T-30	389922.08	6088381.30	0.1	28	9	45	1.0	25	8	0.2	2.5	2.5	2.5	2.64	307	5	75	37	29	10
99T-31	387776.64	6087871.04	0.1	19	10	42	1.0	20	8	0.3	2.5	6.0	2.5	2.51	351	5	69	33	28	10
99T-32	389281.25	6087309.72	0.1	36	7	33	2.0	21	9	0.3	2.5	2.5	2.5	2.48	336	5	55	37	21	10
99T-33	387035.08	6086978.20	0.1	35	12	69	0.5	35	14	0.1	2.5	7.0	2.5	3.69	519	5	83	53	46	10
99T-34	388567.46	6086677.37	0.2	16	9	32	0.5	16	7	0.3	2.5	2.5	2.5	1.74	325	5	58	24	19	10
99T-35	390865.79	6088176.15	0.1	21	9	38	1.0	19	7	0.3	2.5	2.5	2.5	2.15	309	5	71	28	23	10
99T-36	390299.61	6087715.51	0.1	29	9	44	1.0	21	9	0.3	2.5	2.5	2.5	2.44	384	5	94	32	27	10
99T-39	392898.97	6086971.53	0.1	30	13	48	2.0	27	11	0.2	2.5	7.0	2.5	2.90	430	5	77	37	31	10
99T-40	392559.91	6086340.04	0.1	41	13	83	1.0	41	17	0.2	2.5	10.0	2.5	4.00	543	5	106	60	48	10
99T-41-1 Analytical Duplicate	391167.56	6086589.75	0.1	39	12	67	0.5	31	13	0.3	2.5	8.0	2.5	3.42	552	5	95	47	42	10
99T-41-2 Analytical Duplicate	391167.56	6086589.75	0.1	35	14	67	0.5	32	13	0.3	2.5	9.0	2.5	3.40	556	5	92	47	41	10
99T-42	391238.39	6085940.29	0.1	37	12	80	0.5	42	15	0.1	2.5	2.5	2.5	4.36	451	5	120	70	55	10
99T-43	389804.68	6084999.49	0.1	34	17	69	0.5	38	15	0.1	2.5	10.0	2.5	4.04	534	5	81	60	48	10
99T-44	389261.00	6083667.72	0.1	36	12	66	0.5	31	13	0.5	2.5	9.0	2.5	3.46	561	5	92	47	40	10
99T-45	386653.33	6084343.11	0.5	12	5	23	1.0	12	4	0.3	2.5	2.5	2.5	1.39	231	5	54	19	15	10
99T-46	385883.41	6083393.71	0.1	31	11	45	2.0	23	9	0.4	2.5	5.0	2.5	2.65	423	5	95	36	27	10
99T-47	384919.22	6082875.51	0.1	46	15	84	2.0	39	16	0.5	2.5	11.0	2.5	4.18	687	5	104	57	46	10
99T-49	388981.01	6090705.90	0.1	28	10	49	1.0	26	11	0.3	2.5	2.5	2.5	2.70	486	5	79	37	30	10
99T-50	387427.39	6090166.15	0.1	38	13	75	1.0	36	14	0.1	2.5	12.0	2.5	3.69	429	5	84	52	48	10
99T-51	385816.88	6087616.81	0.1	109	18	69	0.5	80	34	0.1	2.5	10.0	2.5	4.62	279	5	118	80	68	10
99T-52	382575.20	6088407.01	0.1	36	11	56	1.0	29	12	0.2	2.5	10.0	2.5	3.21	421	5	61	44	36	10

Sample Site	UTM		Ag	Cu	Pb	Zn	Mo	Ni	Co	Cd	Bi	As	Sb	Fe	Mn	Te	Ba	Cr	V	Sn
	Easting	Northing	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
99T-53	381611.17	6087984.39	0.1	43	16	68	0.5	43	14	0.3	2.5	8.0	2.5	3.82	462	5	88	52	44	10
99T-54	380446.70	6088630.40	0.1	25	13	51	1.0	26	10	0.3	2.5	8.0	2.5	2.80	441	5	91	38	32	10
99T-55	384763.43	6089168.41	0.1	37	13	68	1.0	32	14	0.4	2.5	6.0	2.5	3.50	588	5	87	46	39	10
99T-56	384593.57	6087985.36	0.1	47	16	81	0.5	41	17	0.2	2.5	2.5	2.5	4.47	522	5	119	66	58	10
99T-57	380747.02	6088073.86	0.1	38	13	68	0.5	36	14	0.2	2.5	6.0	2.5	3.88	551	5	86	55	48	10
99T-59	376870.52	6089445.37	0.1	45	15	77	1.0	36	13	0.3	2.5	7.0	2.5	4.15	403	5	99	52	47	10
99T-63	371851.38	6084985.15	0.1	54	16	73	1.0	36	18	0.1	2.5	12.0	2.5	3.83	631	5	104	49	44	10
99T-64	370818.75	6084894.62	0.1	38	15	62	0.5	31	14	0.4	2.5	10.0	2.5	3.52	550	5	94	48	41	10
99T-65	371421.23	6083690.52	0.1	42	14	72	0.5	35	16	0.4	2.5	12.0	2.5	3.70	623	5	95	50	41	10
99T-66	370239.75	6083375.40	0.1	31	21	108	0.5	56	24	0.2	2.5	2.5	2.5	5.40	524	5	151	86	69	10
99T-67	369512.90	6082951.85	0.1	41	14	70	0.5	35	15	0.3	2.5	6.0	2.5	3.79	583	5	87	51	45	10
99T-68	378482.32	6086547.36	0.1	32	14	56	0.5	28	13	0.3	2.5	7.0	2.5	3.35	492	5	74	42	39	10
99T-69	378901.57	6085104.21	0.1	30	12	61	0.5	32	13	0.3	2.5	8.0	2.5	3.35	578	5	86	49	42	10
99T-70	377176.25	6084802.55	0.1	418	7	47	1.0	64	12	0.4	2.5	2.5	2.5	2.91	283	5	54	46	25	10
99T-71	375594.28	6084702.04	0.1	41	14	67	1.0	32	15	0.4	2.5	10.0	2.5	3.43	633	5	86	44	38	10
99T-73-1 Analytical Duplicate	370656.16	6087109.32	0.1	55	15	71	0.5	40	15	0.3	2.5	13.0	2.5	4.37	457	5	102	60	51	10
99T-73-2 Analytical Duplicate	370656.16	6087109.32	0.1	51	17	72	1.0	39	16	0.1	2.5	12.0	2.5	4.08	542	5	101	59	49	10
99T-74	368347.58	6082970.14	0.1	36	13	65	0.5	32	14	0.3	2.5	8.0	2.5	3.40	677	5	96	44	37	10
99T-75	367566.14	6083452.59	0.1	44	17	66	2.0	43	16	0.4	2.5	8.0	2.5	3.58	587	5	78	43	37	10
99T-76	366875.73	6082011.38	0.1	40	12	46	1.0	25	11	0.3	2.5	9.0	2.5	2.74	395	5	65	36	30	10
99T-77	366237.10	6081599.59	0.1	31	16	66	0.5	30	13	0.4	2.5	2.5	2.5	3.53	510	5	106	48	42	10
99T-78	368777.48	6081793.37	0.1	18	11	30	0.5	16	6	0.2	2.5	2.5	2.5	1.83	215	5	61	23	18	10
99T-79	369918.79	6081283.90	0.1	28	11	53	2.0	26	10	0.3	2.5	7.0	2.5	2.96	421	5	67	39	32	10
99T-80	371536.33	6081711.47	0.1	39	14	62	0.5	30	13	0.5	2.5	6.0	2.5	3.18	655	5	88	42	32	10
99T-81	370746.10	6087688.00	0.1	32	11	48	1.0	29	10	0.6	2.5	2.5	2.5	2.48	495	5	69	31	22	10
99T-82-1 Analytical Duplicate	372516.50	6088851.06	0.1	55	24	78	0.5	37	16	0.3	2.5	11.0	2.5	4.01	652	5	93	50	42	10
99T-82-2 Analytical Duplicate	372516.50	6088851.06	0.1	58	24	81	2.0	38	16	0.2	2.5	15.0	2.5	4.03	649	5	94	51	43	10
99T-83	372026.99	6090288.56	0.1	64	28	106	1.0	46	18	0.3	2.5	17.0	2.5	5.28	558	5	103	65	53	10
99T-84	370517.90	6089778.24	0.1	47	23	82	1.0	42	18	0.3	2.5	9.0	2.5	4.04	766	5	102	54	44	10
99T-85	370224.45	6088963.94	0.1	39	26	89	0.5	55	21	0.4	2.5	13.0	2.5	5.90	456	5	137	87	77	10
99T-86	370086.72	6088310.03	0.1	39	18	72	2.0	32	13	0.1	2.5	11.0	2.5	3.58	407	5	92	48	42	10
99T-89	359762.87	6089860.45	0.1	29	11	60	0.5	26	11	0.3	2.5	2.5	2.5	3.14	483	5	97	42	35	10
99T-90	360419.16	6090713.89	0.1	17	10	47	2.0	22	9	0.4	2.5	7.0	2.5	2.36	381	5	57	30	23	10
99T-91	367854.62	6089411.77	0.1	40	16	66	0.5	33	14	0.3	2.5	6.0	2.5	3.65	478	5	85	48	41	10
99T-93	360817.18	6089935.46	0.1	27	12	55	0.5	24	9	0.4	2.5	2.5	2.5	2.73	468	5	81	36	30	10
99T-94	361334.61	6088793.40	0.1	16	8	46	1.0	25	9	0.4	2.5	6.0	2.5	2.59	453	5	60	36	25	10
99T-95	359548.28	6088342.12	0.1	25	11	53	1.0	25	11	0.3	2.5	2.5	2.5	2.83	492	5	72	37	31	10
99T-97	361670.11	6088011.47	0.1	48	16	77	1.0	32	15	0.4	2.5	9.0	2.5	3.90	573	5	95	49	42	10
99T-98	360997.64	6086474.25	0.1	72	21	98	0.5	36	21	0.3	2.5	14.0	2.5	3.95	718	5	85	48	41	10
99T-102	365042.73	6085719.91	0.1	31	14	63	1.0	31	13	0.1	2.5	7.0	2.5	3.46	436	5	72	47	42	10
99T-104	365252.32	6088140.42	0.1	37	12	66	0.5	36	17	0.3	2.5	6.0	2.5	3.63	460	5	89	55	43	10
99T-105	369243.39	6088065.28	0.1	52	18	77	1.0	31	16	0.5	2.5	15.0	2.5	3.71	603	5	80	42	37	10
99T-106	369259.00	6087478.80	0.1	43	15	74	1.0	37	14	0.3	2.5	7.0	2.5	4.05	479	5	93	56	50	10
99T-107	367342.33	6086563.25	0.1	43	15	84	0.5	41	17	0.3	2.5	6.0	2.5	4.41	632	5	99	60	49	10
99T-108	366150.70	6085252.06	0.1	43	16	73	1.0	32	15	0.4	2.5	6.0	2.5	3.67	729	5	88	46	38	10
99T-109	368585.13	6084340.09	0.1	41	15	77	1.0	38	16	0.4	2.5	6.0	2.5	4.14	578	5	100	57	50	10
99T-111	371414.93	6082844.68	0.1	42	13	68	1.0	37	17	0.5	2.5	2.5	2.5	3.59	784	5	78	45	36	10
99T-113	374372.83	6082434.83	0.1	35	13	62	1.0	29	12	0.4	2.5	6.0	2.5	3.32	597	5	73	42	35	10
99T-114	375612.85	6082701.79	0.1	41	11	64	0.5	32	14	0.4	2.5	6.0	2.5	3.43	578	5	91	43	37	10
99T-115	376837.58	6083283.99	0.1	42	13	66	1.0	29	13	0.4	2.5	2.5	2.5	3.49	522	5	80	44	37	10
99T-118	380435.24	6082526.84	0.1	52	13	69	1.0	29	14	0.3	2.5	8.0	2.5	3.32	523	5	72	41	35	10
99T-121	356420.52	6088346.81	0.1	36	14	85	2.0	40	14	0.4	2.5	7.0	2.5	4.11	520	5	97	61	48	10
99T-123	357174.69	6086097.90	0.1	37	12	76	1.0	37	15	0.4	2.5	7.0	2.5	3.89	566	5	104	54	44	10

Sample Site	UTM		Ag	Cu	Pb	Zn	Mo	Ni	Co	Cd	Bi	As	Sb	Fe	Mn	Te	Ba	Cr	V	Sn
	Easting	Northing	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
99T-124-1 Analytical Duplicate	362147.22	6090729.66	0.1	34	12	63	1.0	30	13	0.5	2.5	2.5	2.5	3.38	560	5	82	45	35	10
99T-124-2 Analytical Duplicate	362147.22	6090729.66	0.1	32	10	58	1.0	30	11	0.3	2.5	2.5	2.5	3.18	475	5	87	43	36	10
99T-125	362574.30	6088793.60	0.1	33	11	66	0.5	35	14	0.3	2.5	6.0	2.5	3.57	570	5	102	49	39	10
99T-126	359632.73	6085112.70	0.1	39	14	68	1.0	34	15	0.4	2.5	8.0	2.5	3.47	599	5	83	46	37	10
99T-127	359088.91	6087067.02	0.1	43	14	64	1.0	27	12	0.6	2.5	8.0	2.5	3.18	494	5	75	36	31	10
99T-131	356359.18	6084946.56	0.1	29	11	75	0.5	34	13	0.3	2.5	6.0	2.5	3.63	493	5	83	53	43	10
99T-134	353845.36	6085793.03	0.1	34	11	71	0.5	33	12	0.4	2.5	2.5	2.5	3.56	522	5	102	49	41	10
99T-135	354883.31	6084079.64	0.1	38	13	82	1.0	40	16	0.4	2.5	2.5	2.5	4.13	585	5	102	61	48	10
99T-136	349567.90	6083833.12	0.1	27	11	58	2.0	32	11	0.3	2.5	2.5	2.5	3.19	484	5	80	45	36	10
99T-139	357564.78	6084160.24	0.1	39	13	68	1.0	34	13	0.3	2.5	11.0	2.5	3.78	412	5	92	52	42	10
99T-140	363864.01	6082169.82	0.1	33	13	72	0.5	35	14	0.4	2.5	2.5	2.5	3.62	569	5	89	52	41	10
99T-142	361255.11	6081288.51	0.1	29	11	63	1.0	29	12	0.3	2.5	2.5	2.5	3.14	419	5	81	41	36	10
99T-145-1 Analytical Duplicate	365012.13	6082425.90	0.1	47	17	54	0.5	33	14	0.4	2.5	2.5	2.5	3.06	490	5	75	44	32	10
99T-145-2 Analytical Duplicate	365012.13	6082425.90	0.1	15	5	18	1.0	10	5	0.1	2.5	2.5	2.5	1.16	251	5	24	16	13	10
99T-146	388300.25	6089844.48	0.1	35	10	57	3.0	27	13	0.3	2.5	2.5	2.5	2.92	620	5	70	38	32	10
99T-147	382347.59	6086399.71	0.1	34	15	60	10.0	30	14	0.3	2.5	8.0	2.5	3.27	732	5	77	42	36	10
99T-148	373091.61	6084449.15	0.1	34	12	66	1.0	33	14	0.1	2.5	2.5	2.5	3.57	505	5	88	52	41	10
99T-149	370525.75	6084197.53	0.1	41	11	64	0.5	33	14	0.2	2.5	8.0	2.5	3.71	432	5	98	51	45	10
99T-150	378340.48	6088920.71	0.1	47	16	55	1.0	29	13	0.4	2.5	7.0	2.5	3.05	534	5	79	34	26	10
99T-151	379171.14	6087918.37	0.1	40	16	71	1.0	37	14	0.3	2.5	9.0	2.5	4.08	484	5	109	58	46	10
99T-152	375414.93	6088856.96	0.1	30	13	72	1.0	37	14	0.3	2.5	2.5	2.5	3.72	540	5	108	54	44	10
99T-154	376668.36	6087121.26	0.1	44	16	87	0.5	43	16	0.3	2.5	8.0	2.5	4.54	469	5	110	68	55	10
99T-155	375877.60	6086516.58	0.1	84	30	89	2.0	52	21	0.5	2.5	15.0	2.5	4.77	927	5	107	61	46	10
99T-156	373995.52	6086125.05	0.1	38	13	72	0.5	33	14	0.4	2.5	2.5	2.5	3.54	623	5	94	48	37	10
99T-157	372027.71	6087027.04	0.1	49	13	77	1.0	43	15	0.2	2.5	2.5	2.5	3.99	518	5	102	58	46	10
99T-201	371334.99	6079065.23	0.1	90	21	92	1.0	48	20	0.3	2.5	15.0	2.5	4.86	693	5	118	63	48	10
99T-202	370612.18	6078749.88	0.1	47	19	74	1.0	40	16	0.3	2.5	9.0	2.5	3.36	677	5	76	47	36	10
99T-203	369733.49	6079116.31	0.1	51	15	70	2.0	38	18	0.3	2.5	14.0	2.5	3.31	665	5	60	41	34	10
99T-204	368745.75	6078704.52	0.1	40	16	87	0.5	43	17	0.3	2.5	5.0	2.5	4.19	573	5	90	62	50	10
99T-205	367736.72	6078107.25	0.1	63	21	99	1.0	52	22	0.3	2.5	7.0	2.5	4.44	492	5	98	63	52	10
99T-206	366185.42	6077629.58	0.1	44	14	75	2.0	37	18	0.4	2.5	9.0	2.5	3.85	659	5	87	52	44	10
99T-207	370205.14	6080422.95	0.1	22	11	59	0.5	31	11	0.3	2.5	6.0	2.5	3.26	408	5	75	45	35	10
99T-208	365599.84	6076900.47	0.1	41	13	75	0.5	39	16	0.2	2.5	11.0	2.5	3.94	612	5	92	56	45	10
99T-209	367275.47	6079004.52	0.1	69	16	90	3.0	50	20	0.3	2.5	2.5	2.5	3.84	705	5	68	60	48	10
99T-210	367991.68	6079460.20	0.1	40	14	71	1.0	32	14	0.2	2.5	12.0	2.5	3.45	602	5	78	46	38	10
99T-211	368856.57	6080449.74	0.1	61	16	81	1.0	43	18	0.3	2.5	14.0	2.5	4.23	572	5	92	54	44	10
99T-212	367569.80	6080402.33	0.1	38	14	74	0.5	34	15	0.4	2.5	2.5	2.5	3.53	656	5	86	49	38	10
99T-213	365183.13	6079542.10	0.1	48	18	64	0.5	57	15	0.3	2.5	6.0	2.5	4.36	411	5	150	67	46	10
99T-214	360603.87	6076390.98	0.1	55	9	49	0.5	38	13	0.5	2.5	31.0	2.5	3.06	423	5	185	52	32	10
99T-215	360976.40	6074963.41	0.1	59	21	92	0.5	69	26	0.4	2.5	13.0	2.5	4.82	702	5	131	82	56	10
99T-218	363444.79	6074383.10	0.1	35	12	63	0.5	35	13	0.4	2.5	2.5	2.5	3.64	466	5	95	52	40	10
99T-219-1 Analytical Duplicate	367825.77	6068425.98	0.1	34	14	69	0.5	34	14	0.4	2.5	7.0	2.5	3.56	537	5	82	51	38	10
99T-219-2 Analytical Duplicate	367825.77	6068425.98	0.1	37	15	75	0.5	38	15	0.4	2.5	8.0	2.5	3.80	517	5	85	55	40	10
99T-220	368431.98	6067452.60	0.1	29	12	52	0.5	29	12	0.5	2.5	2.5	2.5	2.87	605	5	107	43	31	10
99T-221	360246.41	6081552.52	0.1	33	16	90	1.0	46	18	0.5	2.5	2.5	2.5	4.43	687	5	104	67	47	10
99T-223	355505.67	6083205.01	0.1	39	10	67	1.0	27	11	0.7	2.5	7.0	2.5	2.76	503	5	87	36	27	10
99T-224	350117.78	6081716.84	0.1	27	12	65	0.5	35	12	0.5	2.5	2.5	2.5	3.42	429	5	120	51	38	10
99T-225	350702.40	6083206.61	0.1	49	17	66	1.0	25	12	0.8	2.5	12.0	2.5	2.42	384	5	80	28	20	10
99T-226	354277.47	6083205.79	0.1	20	10	50	0.5	27	10	0.5	2.5	6.0	2.5	2.69	412	5	85	39	27	10
99T-227	355381.59	6075600.60	0.1	24	10	56	0.5	30	11	0.5	2.5	7.0	2.5	2.91	496	5	96	40	31	10
99T-228	353986.25	6074843.74	0.1	33	12	74	0.5	38	15	0.4	2.5	6.0	2.5	3.88	479	5	117	57	43	10
99T-229	353511.14	6076295.59	0.1	29	8	56	0.5	32	12	0.5	2.5	2.5	2.5	3.10	375	5	94	46	33	10
99T-230-1 Analytical Duplicate	355405.44	6076684.24	0.1	24	12	55	1.0	27	10	0.5	2.5	2.5	2.5	3.01	410	5	94	42	33	10
99T-230-2 Analytical Duplicate	355405.44	6076684.24	0.1	25	11	55	1.0	28	11	0.4	2.5	2.5	2.5	3.03	428	5	90	41	32	10

Sample Site	UTM		Ag	Cu	Pb	Zn	Mo	Ni	Co	Cd	Bi	As	Sb	Fe	Mn	Te	Ba	Cr	V	Sn
	Easting	Northing	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
99T-233	353080.39	6072997.78	0.1	23	12	66	0.5	36	13	0.3	2.5	2.5	2.5	3.54	410	5	94	52	39	10
99T-234	352085.67	6071913.45	0.1	27	10	66	1.0	34	13	0.1	2.5	6.0	2.5	3.58	442	5	96	53	43	10
99T-235	352971.33	6071021.91	0.1	34	9	54	1.0	26	12	0.1	2.5	9.0	2.5	2.94	336	5	116	44	38	10
99T-236	375222.72	6068829.48	0.1	25	8	46	2.0	24	8	0.2	2.5	6.0	2.5	2.57	373	5	81	35	32	10
99T-237	373322.15	6067669.32	0.1	28	10	57	1.0	27	11	0.3	2.5	2.5	2.5	2.92	496	5	108	43	34	10
99T-238	372452.18	6069244.38	0.1	37	9	74	0.5	29	11	0.3	2.5	2.5	2.5	2.88	495	5	80	44	34	10
99T-239	368922.50	6069508.74	0.1	34	13	70	1.0	30	13	0.3	2.5	7.0	2.5	3.24	532	5	83	47	36	10
99T-240	370909.02	6070515.51	0.1	34	12	63	1.0	36	15	0.2	2.5	11.0	2.5	3.35	593	5	86	56	44	10
99T-241	372758.61	6071129.61	0.1	31	12	72	0.5	34	13	0.2	2.5	2.5	2.5	3.64	424	5	102	54	45	10
99T-242	370633.94	6066046.81	0.1	29	11	62	1.0	29	12	0.3	2.5	8.0	2.5	3.12	535	5	106	46	38	10
99T-243	373883.08	6066058.33	0.1	32	10	70	1.0	32	13	0.3	2.5	6.0	2.5	3.29	574	5	94	48	39	10
99T-245	373013.86	6074903.92	0.1	62	20	90	0.5	49	25	0.3	2.5	7.0	2.5	4.43	1098	5	103	62	50	10
99T-246	375209.93	6072610.07	0.1	35	12	58	1.0	35	13	0.3	2.5	2.5	2.5	3.18	497	5	95	51	37	10
99T-248-1 Analytical Duplicate	363998.87	6080166.06	0.1	27	14	67	0.5	40	16	0.2	2.5	6.0	2.5	3.59	442	5	90	55	44	10
99T-248-2 Analytical Duplicate	363998.87	6080166.06	0.1	27	14	68	0.5	39	15	0.2	2.5	2.5	2.5	3.56	527	5	99	57	43	10
99T-249	366434.90	6080165.02	0.1	28	12	74	1.0	34	14	0.1	2.5	2.5	2.5	3.54	494	5	114	53	42	10
99T-250	365625.09	6080983.27	0.1	22	20	114	0.5	56	25	0.1	2.5	6.0	2.5	5.04	417	5	134	81	64	10
99T-251	369454.61	6077674.80	0.1	38	14	70	0.5	30	14	0.4	2.5	12.0	2.5	3.50	644	5	76	46	36	10
99T-252	370212.70	6077226.07	0.1	42	15	93	0.5	53	21	0.2	2.5	5.0	2.5	4.69	508	5	117	74	61	10
99T-253	369727.62	6076391.19	0.1	49	20	97	1.0	55	24	0.3	2.5	9.0	2.5	4.66	478	5	109	70	56	10
99T-260	359223.52	6069883.78	0.1	25	11	56	2.0	27	11	0.2	2.5	5.0	2.5	2.98	438	5	96	41	35	10
99T-261	360063.93	6069315.74	0.1	117	19	112	0.5	78	27	0.3	2.5	2.5	2.5	4.80	400	5	127	97	72	10
99T-262	355969.59	6070935.17	0.1	32	11	63	0.5	29	13	0.4	2.5	8.0	2.5	3.15	589	5	83	43	34	10
99T-263	357994.39	6070646.49	0.1	56	19	78	0.5	48	17	0.3	2.5	22.0	2.5	4.29	678	5	116	64	51	10
99T-264	360989.77	6069149.40	0.1	63	22	75	0.5	54	21	0.5	2.5	8.0	2.5	4.49	347	5	120	81	52	10
99T-265	361329.67	6072980.83	0.1	39	14	70	1.0	38	16	0.3	2.5	14.0	2.5	3.63	673	5	92	54	44	10
99T-266	363559.03	6071022.97	0.1	35	14	58	1.0	29	13	0.3	2.5	7.0	2.5	3.12	487	5	70	46	36	10
99T-267	377020.28	6069882.33	0.1	26	12	56	0.5	29	11	0.3	2.5	2.5	2.5	2.98	515	5	84	43	35	10
99T-268	379044.14	6070599.95	0.1	42	20	69	1.0	33	16	0.5	2.5	12.0	2.5	3.41	610	5	96	47	47	10
99T-269	376364.81	6071760.41	0.1	19	8	45	1.0	24	8	0.4	2.5	6.0	2.5	2.38	422	5	81	35	25	10
99T-271	383858.83	6067703.50	0.1	39	13	70	1.0	35	14	0.1	2.5	7.0	2.5	3.57	471	5	81	54	42	10
99T-272	384102.61	6068885.27	0.1	29	11	62	1.0	34	14	0.2	2.5	2.5	2.5	3.16	576	5	86	50	37	10
99T-273	380547.15	6070612.20	0.1	34	13	66	0.5	37	13	0.3	2.5	6.0	2.5	3.47	508	5	94	52	39	10
99T-274	382955.22	6071800.72	0.1	51	14	87	1.0	46	18	0.2	2.5	7.0	2.5	5.08	554	5	143	79	66	10
99T-275	381967.41	6070087.68	0.1	36	18	86	0.5	49	17	0.3	2.5	11.0	2.5	4.99	524	5	115	82	69	10
99T-276-1 Analytical Duplicate	385148.66	6077248.38	0.1	28	13	67	1.0	37	14	0.3	2.5	10.0	2.5	3.61	516	5	80	52	41	10
99T-276-2 Analytical Duplicate	385148.66	6077248.38	0.1	28	17	81	0.5	44	17	0.2	2.5	14.0	2.5	4.43	615	5	98	66	51	10
99T-277	386690.16	6081682.14	0.1	34	13	76	0.5	37	15	0.3	2.5	5.0	2.5	3.68	636	5	85	54	43	10
99T-278	388023.91	6080577.61	0.1	37	14	70	2.0	34	15	0.4	2.5	7.0	2.5	3.56	634	5	104	49	43	10
99T-279	376310.70	6077007.87	0.1	36	13	57	0.5	34	13	0.4	2.5	6.0	2.5	3.22	511	5	70	49	35	10
99T-281	379124.40	6067728.11	0.1	33	12	60	0.5	31	12	0.1	2.5	8.0	2.5	3.36	432	5	88	50	42	10
99T-282	382727.20	6079909.30	0.1	29	11	55	0.5	34	12	0.3	2.5	2.5	2.5	3.19	462	5	73	65	36	10
99T-284	383840.14	6075866.88	0.1	39	16	79	1.0	41	19	0.4	2.5	2.5	2.5	4.05	783	5	88	56	45	10
99T-285	382958.94	6074543.38	0.1	29	12	78	1.0	35	14	0.3	2.5	2.5	2.5	3.66	466	5	111	57	46	10
99T-286	385475.05	6074190.49	0.1	32	14	75	1.0	38	15	0.3	2.5	5.0	2.5	3.76	480	5	81	55	42	10
99T-287	385938.09	6072538.35	0.1	42	12	62	0.5	34	13	0.2	2.5	6.0	2.5	3.60	436	5	92	53	43	10
99T-288	384706.93	6071638.97	0.1	32	13	74	0.5	37	16	0.4	2.5	2.5	2.5	3.57	660	5	87	55	41	10
99T-289	384447.42	6070035.32	0.1	36	14	74	0.5	36	16	0.3	2.5	6.0	2.5	3.52	620	5	85	53	43	10
99T-290	385875.21	6070091.77	0.1	25	12	58	1.0	30	12	0.3	2.5	6.0	2.5	3.08	550	5	89	46	34	10
99T-291	386749.94	6071142.51	0.1	28	11	60	0.5	29	12	0.3	2.5	2.5	2.5	3.14	558	5	96	45	36	10
99T-292-1 Analytical Duplicate	372658.22	6079359.51	0.1	36	16	90	1.0	44	19	0.3	2.5	6.0	2.5	4.12	696	5	97	62	48	10
99T-292-2 Analytical Duplicate	372658.22	6079359.51	0.1	36	14	88	2.0	44	18	0.3	2.5	20.0	2.5	4.06	664	5	97	61	48	10
99T-293	373332.21	6078856.12	0.1	48	18	84	1.0	36	17	0.4	2.5	11.0	2.5	3.97	644	5	74	53	41	10
99T-294	374312.89	6078921.40	0.1	34	15	86	1.0	53	20	0.3	2.5	2.5	2.5	4.24	696	5	89	70	54	10

Sample Site	UTM		Ag	Cu	Pb	Zn	Mo	Ni	Co	Cd	Bi	As	Sb	Fe	Mn	Te	Ba	Cr	V	Sn
	Easting	Northing	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
99T-295	375182.62	6078624.03	0.1	50	15	71	1.0	30	14	0.1	2.5	12.0	2.5	3.23	665	5	115	46	38	10
99T-296	376386.81	6078570.83	0.1	44	15	94	1.0	45	19	0.3	2.5	2.5	2.5	4.01	807	5	96	61	47	10
99T-297	377606.00	6078057.09	0.1	42	16	81	1.0	441	20	0.2	2.5	2.5	2.5	4.09	652	5	90	67	49	10
99T-298	377794.68	6079094.31	0.1	38	14	81	2.0	46	19	0.2	2.5	5.0	2.5	3.97	686	5	103	58	44	10
99T-299	377733.77	6080049.38	0.1	88	15	95	2.0	79	25	0.3	2.5	21.0	2.5	4.49	664	5	104	137	63	10
99T-300	383601.49	6081754.27	0.1	33	14	72	1.0	35	15	0.4	2.5	2.5	2.5	3.59	558	5	91	51	41	10
99T-301	382264.75	6081807.41	0.1	24	12	49	0.5	21	9	0.4	2.5	6.0	2.5	2.56	357	5	72	34	27	10
99T-302	381825.16	6080640.92	0.1	45	20	94	1.0	57	22	0.2	2.5	11.0	2.5	5.05	748	5	119	81	62	10
99T-303	381419.93	6079292.48	0.1	37	13	64	1.0	31	11	0.4	2.5	2.5	2.5	3.17	555	5	97	47	32	10
99T-304	379828.87	6079816.74	0.1	55	12	78	1.0	58	18	0.1	2.5	8.0	2.5	4.05	527	5	103	84	50	10
99T-305	373257.01	6080611.99	0.1	31	11	46	2.0	23	11	0.2	2.5	2.5	2.5	2.42	489	5	43	30	24	10
99T-306	374075.08	6080290.59	0.1	47	18	87	2.0	54	21	0.3	2.5	7.0	2.5	4.38	715	5	96	58	46	10
99T-308	378593.33	6079122.68	0.1	42	19	79	0.5	44	19	0.4	2.5	2.5	2.5	4.02	684	5	83	54	42	10
99T-310	378075.60	6081454.42	0.1	33	15	62	2.0	29	16	0.5	2.5	10.0	2.5	2.99	593	5	75	43	34	10
99T-311	375825.45	6081477.33	0.1	51	18	91	2.0	47	22	0.4	2.5	8.0	2.5	4.30	670	5	87	57	45	10
99T-312	374729.14	6081514.74	0.1	37	14	86	0.5	38	16	0.3	2.5	2.5	2.5	3.59	470	5	114	52	44	10
99T-314-1 Analytical Duplicate	380441.27	6077362.52	0.1	31	11	60	2.0	33	12	0.4	2.5	10.0	2.5	3.18	539	5	92	51	36	10
99T-314-2 Analytical Duplicate	380441.27	6077362.52	0.1	28	11	60	2.0	34	13	0.3	2.5	2.5	2.5	3.19	586	5	93	51	37	10
99T-315	379424.91	6076667.36	0.1	33	11	66	0.5	35	15	0.3	2.5	2.5	2.5	3.34	663	5	101	52	39	10
99T-316	378083.67	6075976.30	0.1	30	11	67	1.0	34	15	0.2	2.5	6.0	2.5	3.43	581	5	105	50	38	10
99T-317	378975.05	6075002.82	0.1	32	18	96	0.5	59	24	0.2	2.5	2.5	2.5	4.59	506	5	102	83	61	10
99T-319	377992.28	6071532.08	0.1	33	12	54	2.0	27	10	0.4	2.5	6.0	2.5	2.92	488	5	90	43	31	10
99T-320	378032.77	6073502.62	0.1	40	13	73	0.5	39	17	0.3	2.5	10.0	2.5	3.62	830	5	100	56	42	10
99T-322	376788.52	6076148.06	0.1	39	57	66	1.0	34	14	0.3	2.5	8.0	2.5	3.61	549	5	82	55	41	10
99T-324	371909.21	6077077.66	0.1	27	11	47	0.5	24	9	0.3	2.5	2.5	2.5	2.64	357	5	94	34	31	10
99T-325	371394.88	6077468.54	0.1	33	13	72	0.5	38	16	0.3	2.5	8.0	2.5	3.70	509	5	84	60	48	10
99T-326	367010.80	6076322.95	0.1	35	14	73	1.0	38	17	0.3	2.5	2.5	2.5	3.42	732	5	90	54	41	10
99T-327	365544.89	6075097.76	0.1	35	13	65	0.5	29	12	0.3	2.5	2.5	2.5	3.23	538	5	82	47	35	10
99T-328	366630.37	6073449.41	0.1	46	12	88	0.5	45	20	0.1	2.5	8.0	2.5	4.19	681	5	93	65	52	10
99T-329-1 Analytical Duplicate	373524.62	6072776.30	0.1	31	12	58	2.0	27	11	0.5	2.5	5.0	2.5	2.94	567	5	106	44	31	10
99T-329-2 Analytical Duplicate	373524.62	6072776.30	0.1	31	11	56	2.0	26	11	0.3	2.5	2.5	2.5	2.79	543	5	100	42	32	10
99T-330	373090.65	6073609.38	0.1	32	12	63	2.0	31	14	0.2	2.5	9.0	2.5	3.13	628	5	90	45	34	10
99T-331	372325.83	6073335.34	0.1	29	10	61	0.5	31	13	0.3	2.5	2.5	2.5	3.09	636	5	75	46	34	10
99T-332	371343.79	6071847.26	0.1	36	14	61	2.0	30	14	0.4	2.5	2.5	2.5	3.15	624	5	83	45	35	10
99T-334	353630.41	6074080.73	0.1	29	13	77	1.0	40	15	0.3	2.5	2.5	2.5	3.94	537	5	86	58	44	10
99T-335	354026.13	6072263.97	0.1	25	13	68	0.5	35	13	0.1	2.5	2.5	2.5	3.37	467	5	102	53	39	10
99T-338	358097.38	6073183.12	0.1	31	13	71	0.5	38	15	0.3	2.5	8.0	2.5	3.53	545	5	105	56	44	10
99T-341	363366.15	6079087.77	0.1	59	17	70	0.5	42	19	0.5	2.5	6.0	2.5	3.65	682	5	99	59	41	10
99T-343	365228.31	6078367.51	0.1	36	16	69	2.0	31	15	0.5	2.5	16.0	2.5	3.46	487	5	95	49	38	10
99T-344	364266.45	6076224.84	0.1	50	13	69	1.0	44	22	0.3	2.5	24.0	2.5	3.82	575	5	121	64	51	10
99T-345	362453.17	6075416.23	0.1	41	13	58	1.0	34	15	0.5	2.5	53.0	2.5	2.99	626	5	110	43	36	10
99T-346	363508.62	6077282.57	0.1	54	14	66	1.0	44	16	0.3	2.5	18.0	2.5	3.56	525	5	108	60	43	10
99T-347	390123.06	6073013.81	0.1	42	15	93	0.5	42	18	0.4	2.5	7.0	2.5	3.94	680	5	93	59	45	10
99T-349	394290.85	6073197.89	0.1	42	19	103	1.0	59	23	0.2	2.5	2.5	2.5	4.74	523	5	95	74	56	10
99T-350	381237.22	6069551.39	0.1	45	13	80	2.0	41	15	0.2	2.5	8.0	2.5	3.73	473	5	116	60	48	10
99T-351	377332.39	6064774.37	0.1	25	11	64	0.5	31	11	0.3	2.5	2.5	2.5	3.21	406	5	100	49	38	10

Sample Site	W	Hg	La	Al	Mg	Na	K	Sr	Y	Ga	Li	Nb	Sc	Ta	Ti	Zr	S	AsHY
	ppm	ppm	ppm	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	%	ppm
99T-2	10	0.110	28	1.88	2.25	0.71	0.22	72	9	3.0	26	0.5	2.5	5	0.07	6	0.07	17.1
99T-3	10	0.061	29	2.42	1.95	0.48	0.29	71	10	4.0	30	1.0	2.5	5	0.09	7	0.06	6.8
99T-4	10	0.029	34	2.58	2.26	0.45	0.38	74	9	5.0	41	1.0	2.5	5	0.10	15	0.05	2.9
99T-5	10	0.050	27	1.96	1.86	0.36	0.17	78	10	3.0	24	0.5	2.5	5	0.08	5	0.07	4.7
99T-7	10	0.053	28	3.01	1.75	0.73	0.32	67	10	6.0	40	2.0	2.5	5	0.08	6	0.09	10.7
99T-8	10	0.093	30	2.47	1.54	0.64	0.23	70	11	5.0	30	1.0	2.5	5	0.06	4	0.10	6.1
99T-9	10	0.039	39	2.33	1.96	0.49	0.37	75	10	4.0	33	1.0	2.5	5	0.10	9	0.05	5.1
99T-10	10	0.096	26	2.07	1.59	0.48	0.18	70	10	4.0	22	0.5	2.5	5	0.05	2	0.10	4.8
99T-11	10	0.052	30	2.28	1.92	0.40	0.25	77	10	4.0	31	1.0	2.5	5	0.08	6	0.06	6.4
99T-12	10	0.049	29	2.58	1.86	0.47	0.30	71	10	5.0	32	2.0	2.5	5	0.09	6	0.06	4.8
99T-13	10	0.047	31	2.29	1.97	0.42	0.30	75	10	4.0	32	1.0	2.5	5	0.10	12	0.05	5.0
99T-14	10	0.052	30	2.47	1.84	0.50	0.30	69	10	4.0	35	1.0	2.5	5	0.10	12	0.05	7.7
99T-15	10	0.199	31	3.61	1.81	0.89	0.33	51	16	7.0	42	3.0	7.0	5	0.07	2	0.09	10.7
99T-16	10	0.031	18	4.21	1.22	0.69	0.43	43	7	9.0	35	2.0	8.0	5	0.04	11	0.02	5.0
99T-17	10	0.054	26	1.88	1.90	0.45	0.20	77	9	3.0	23	1.0	2.5	5	0.07	4	0.07	5.4
99T-18	10	0.033	31	2.91	1.98	0.44	0.47	67	9	6.0	43	1.0	6.0	5	0.09	16	0.04	10.4
99T-19	10	0.028	31	2.71	1.95	0.53	0.40	66	9	5.0	37	1.0	5.0	5	0.08	10	0.05	5.0
99T-21-1 Analytical Duplicate	10	0.032	23	1.38	1.92	0.36	0.16	95	8	1.0	19	0.5	2.5	5	0.06	6	0.08	5.4
99T-21-2 Analytical Duplicate	10	0.028	24	1.73	1.86	0.44	0.21	87	8	3.0	23	1.0	2.5	5	0.08	9	0.07	5.1
99T-25	10	0.026	25	2.15	1.81	0.36	0.32	101	9	4.0	30	1.0	2.5	5	0.08	11	0.07	5.4
99T-26	10	0.026	27	1.96	1.86	0.40	0.26	101	9	3.0	25	0.5	2.5	5	0.07	6	0.09	5.2
99T-27	10	0.079	33	3.44	1.96	0.78	0.34	54	15	7.0	44	2.0	7.0	5	0.09	7	0.06	6.3
99T-28	10	0.050	10	0.63	0.86	0.45	0.06	110	5	1.0	9	0.5	2.5	5	0.01	1	0.18	1.1
99T-29	10	0.041	33	3.29	1.89	0.60	0.33	58	12	6.0	39	1.0	7.0	5	0.08	5	0.05	4.3
99T-30	10	0.054	23	1.61	1.61	0.43	0.18	99	8	3.0	20	0.5	2.5	5	0.06	4	0.14	4.3
99T-31	10	0.027	23	1.68	1.62	0.40	0.22	90	7	3.0	21	0.5	2.5	5	0.06	2	0.09	4.7
99T-32	10	0.062	23	1.71	1.61	0.53	0.15	84	10	3.0	17	0.5	2.5	5	0.04	1	0.15	1.3
99T-33	10	0.046	29	2.33	2.06	0.38	0.24	75	11	4.0	32	1.0	5.0	5	0.10	13	0.05	4.6
99T-34	10	0.026	18	1.05	1.43	0.35	0.12	112	7	1.0	13	1.0	2.5	5	0.05	1	0.13	3.1
99T-35	10	0.031	20	1.33	1.51	0.33	0.18	107	7	1.0	19	0.5	2.5	5	0.06	3	0.14	2.5
99T-36	10	0.055	22	1.51	1.62	0.43	0.21	162	8	2.0	22	0.5	2.5	5	0.06	4	0.15	4.1
99T-39	10	0.065	27	1.94	1.73	0.48	0.21	80	11	3.0	23	0.5	2.5	5	0.06	4	0.10	4.8
99T-40	10	0.087	29	2.67	2.26	0.54	0.26	57	10	5.0	41	2.0	6.0	5	0.09	5	0.05	7.2
99T-41-1 Analytical Duplicate	10	0.049	31	2.08	2.00	0.36	0.31	100	10	4.0	30	1.0	2.5	5	0.09	11	0.07	5.7
99T-41-2 Analytical Duplicate	10	0.039	32	2.04	2.05	0.34	0.30	99	10	3.0	30	1.0	2.5	5	0.09	12	0.07	6.1
99T-42	10	0.044	32	3.37	2.11	0.49	0.39	55	12	6.0	44	2.0	7.0	5	0.11	10	0.04	4.1
99T-43	10	0.131	30	2.93	2.17	0.62	0.29	48	15	5.0	31	2.0	7.0	5	0.08	4	0.07	8.0
99T-44	10	0.039	32	2.15	1.89	0.42	0.30	87	11	4.0	30	1.0	5.0	5	0.09	7	0.07	6.6
99T-45	10	0.022	13	0.91	1.42	0.27	0.13	132	4	1.0	12	0.5	2.5	5	0.03	2	0.15	2.8
99T-46	10	0.059	25	1.79	1.57	0.40	0.20	97	9	3.0	22	0.5	2.5	5	0.06	3	0.10	4.4
99T-47	10	0.061	36	2.62	2.06	0.48	0.42	80	11	5.0	37	1.0	6.0	5	0.09	6	0.05	7.5
99T-49	10	0.062	28	1.65	1.87	0.34	0.20	94	9	3.0	23	0.5	2.5	5	0.07	5	0.07	4.4
99T-50	10	0.093	33	2.24	2.15	0.50	0.29	64	12	4.0	29	1.0	5.0	5	0.10	7	0.05	8.9
99T-51	10	0.082	30	4.94	1.11	0.85	0.24	26	7	9.0	53	3.0	7.0	5	0.09	10	0.03	5.6
99T-52	10	0.047	26	1.94	2.02	0.55	0.19	75	9	3.0	24	1.0	2.5	5	0.08	4	0.07	5.2

Sample Site	W	Hg	La	Al	Mg	Na	K	Sr	Y	Ga	Li	Nb	Sc	Ta	Ti	Zr	S	AsHY
	ppm	ppm	ppm	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	%	ppm
99T-53	10	0.040	31	2.42	1.89	0.44	0.28	80	10	4.0	32	1.0	5.0	5	0.09	8	0.06	7.6
99T-54	10	0.029	29	1.78	1.73	0.35	0.25	98	9	3.0	24	0.5	2.5	5	0.08	7	0.07	4.5
99T-55	10	0.045	33	2.12	2.02	0.42	0.35	81	10	4.0	31	1.0	5.0	5	0.10	7	0.05	5.6
99T-56	10	0.030	33	3.28	1.95	0.51	0.44	76	10	7.0	46	1.0	7.0	5	0.09	12	0.04	6.9
99T-57	10	0.059	34	2.54	1.98	0.50	0.25	68	12	5.0	33	1.0	6.0	5	0.09	9	0.04	6.6
99T-59	10	0.089	30	2.51	2.05	0.53	0.32	59	12	4.0	32	2.0	7.0	5	0.09	9	0.04	8.5
99T-63	10	0.046	28	2.29	2.24	0.38	0.26	69	11	4.0	29	2.0	5.0	5	0.10	9	0.05	9.6
99T-64	10	0.045	34	2.22	1.98	0.39	0.30	83	11	4.0	30	0.5	5.0	5	0.09	10	0.06	5.2
99T-65	10	0.045	28	2.14	1.97	0.48	0.29	82	9	4.0	31	1.0	5.0	5	0.10	15	0.06	7.4
99T-66	10	0.022	43	4.18	1.74	0.52	0.57	43	14	8.0	55	2.0	9.0	5	0.13	18	0.02	3.5
99T-67	10	0.052	31	2.42	1.98	0.48	0.32	81	11	4.0	32	1.0	6.0	5	0.10	13	0.05	6.7
99T-68	10	0.039	29	1.96	1.88	0.45	0.23	85	10	3.0	25	1.0	2.5	5	0.08	7	0.06	6.4
99T-69	10	0.027	31	2.21	1.98	0.38	0.25	84	10	4.0	31	0.5	5.0	5	0.08	13	0.05	3.6
99T-70	10	0.220	25	1.99	1.45	0.85	0.17	65	11	4.0	20	0.5	2.5	5	0.05	3	0.10	2.3
99T-71	10	0.044	31	1.98	1.92	0.40	0.29	100	10	4.0	29	1.0	5.0	5	0.08	9	0.06	7.5
99T-73-1 Analytical Duplicate	10	0.077	30	2.93	1.84	0.56	0.28	59	13	5.0	35	2.0	7.0	5	0.09	8	0.06	8.0
99T-73-2 Analytical Duplicate	10	0.078	28	2.63	1.92	0.50	0.28	65	11	5.0	33	2.0	6.0	5	0.10	10	0.06	9.2
99T-74	10	0.043	30	2.00	2.05	0.36	0.33	87	10	3.0	26	0.5	5.0	5	0.09	13	0.06	7.7
99T-75	10	0.065	25	2.00	2.03	0.77	0.25	79	9	3.0	26	0.5	2.5	5	0.07	5	0.08	9.2
99T-76	10	0.069	25	1.60	1.77	0.59	0.19	129	9	3.0	22	0.5	2.5	5	0.06	2	0.11	6.5
99T-77	10	0.022	30	2.52	1.86	0.40	0.35	99	10	4.0	34	1.0	5.0	5	0.08	10	0.07	4.7
99T-78	10	0.035	15	1.25	1.30	0.36	0.14	119	6	1.0	17	0.5	2.5	5	0.04	2	0.13	3.7
99T-79	10	0.033	25	1.78	1.79	0.40	0.21	91	9	3.0	24	0.5	2.5	5	0.07	7	0.08	5.3
99T-80	10	0.039	32	1.89	2.04	0.30	0.28	115	10	3.0	28	1.0	2.5	5	0.08	14	0.07	5.2
99T-81	10	0.046	27	1.71	2.17	0.37	0.18	111	9	2.0	20	0.5	2.5	5	0.05	3	0.10	3.9
99T-82-1 Analytical Duplicate	10	0.089	32	2.31	2.09	0.49	0.30	78	11	4.0	34	1.0	6.0	5	0.09	14	0.05	9.8
99T-82-2 Analytical Duplicate	10	0.103	32	2.41	2.13	0.56	0.30	76	11	4.0	35	0.5	6.0	5	0.10	13	0.05	11.0
99T-83	10	0.109	36	3.23	2.42	0.74	0.28	55	16	6.0	45	2.0	7.0	5	0.08	4	0.07	13.8
99T-84	10	0.080	29	2.59	2.07	0.45	0.36	89	11	5.0	41	1.0	6.0	5	0.10	10	0.06	6.8
99T-85	10	0.143	39	4.92	1.55	0.85	0.27	39	19	11.0	75	3.0	11.0	5	0.08	8	0.06	6.7
99T-86	10	0.048	34	2.43	1.90	0.50	0.28	70	11	4.0	33	1.0	6.0	5	0.10	9	0.06	7.3
99T-89	10	0.025	28	2.04	1.89	0.34	0.31	99	9	3.0	29	0.5	2.5	5	0.08	16	0.07	4.1
99T-90	10	0.041	22	1.54	1.66	0.50	0.22	91	8	2.0	19	1.0	2.5	5	0.06	2	0.10	4.2
99T-91	10	0.068	28	2.43	1.51	0.79	0.25	72	11	5.0	31	1.0	2.5	5	0.06	3	0.09	7.1
99T-93	10	0.028	26	1.67	1.95	0.26	0.25	106	9	3.0	24	0.5	2.5	5	0.07	12	0.08	3.8
99T-94	10	0.027	24	1.85	2.12	0.30	0.23	114	8	3.0	22	1.0	2.5	5	0.06	4	0.09	3.9
99T-95	10	0.031	26	1.82	2.07	0.29	0.23	98	9	2.0	23	0.5	2.5	5	0.07	7	0.08	2.9
99T-97	10	0.043	30	2.32	2.13	0.45	0.30	83	10	4.0	33	0.5	5.0	5	0.08	6	0.06	9.6
99T-98	10	0.071	26	2.22	1.96	0.54	0.28	72	9	4.0	30	1.0	2.5	5	0.08	7	0.06	11.8
99T-102	10	0.049	28	2.26	1.97	0.57	0.27	72	9	4.0	30	1.0	5.0	5	0.08	4	0.06	5.1
99T-104	10	0.037	32	2.48	1.83	0.47	0.32	76	10	5.0	32	1.0	6.0	5	0.09	6	0.06	3.2
99T-105	10	0.062	29	1.86	1.92	0.48	0.28	90	9	3.0	26	1.0	2.5	5	0.08	8	0.06	10.7
99T-106	10	0.044	29	2.65	1.87	0.59	0.30	69	10	5.0	36	2.0	6.0	5	0.09	12	0.05	6.4
99T-107	10	0.044	30	2.87	1.89	0.62	0.39	71	10	6.0	41	1.0	7.0	5	0.10	15	0.04	7.0
99T-108	10	0.064	29	2.05	2.10	0.50	0.30	82	9	4.0	30	0.5	6.0	5	0.09	6	0.05	6.2
99T-109	10	0.043	35	2.69	1.93	0.50	0.39	75	11	5.0	39	1.0	7.0	5	0.10	17	0.05	6.6
99T-111	10	0.058	30	2.05	2.03	0.43	0.33	91	10	3.0	28	0.5	5.0	5	0.09	6	0.06	6.3
99T-113	10	0.056	30	1.80	2.24	0.40	0.26	91	10	3.0	25	2.0	2.5	5	0.09	8	0.06	5.1
99T-114	10	0.044	30	1.98	1.86	0.39	0.29	89	10	3.0	29	1.0	5.0	5	0.09	15	0.07	6.2
99T-115	10	0.043	31	1.96	2.04	0.51	0.25	91	10	3.0	28	0.5	5.0	5	0.08	12	0.06	6.5
99T-118	10	0.044	25	1.80	2.10	0.48	0.23	83	8	3.0	24	0.5	2.5	5	0.08	10	0.06	7.2
99T-121	10	0.031	31	2.68	1.96	0.49	0.41	80	10	5.0	41	1.0	7.0	5	0.10	18	0.05	5.5
99T-123	10	0.029	34	2.59	1.98	0.43	0.42	84	10	5.0	37	0.5	6.0	5	0.10	12	0.05	5.0

Sample Site	W ppm	Hg ppm	La ppm	Al %	Mg %	Na %	K %	Sr ppm	Y ppm	Ga ppm	Li ppm	Nb ppm	Sc ppm	Ta ppm	Ti %	Zr ppm	S %	AsHY ppm
99T-124-1 Analytical Duplicate	10	0.041	32	2.08	1.91	0.33	0.29	100	10	3.0	29	0.5	5.0	5	0.08	13	0.07	4.8
99T-124-2 Analytical Duplicate	10	0.039	31	2.06	1.90	0.34	0.29	98	10	3.0	29	0.5	5.0	5	0.08	10	0.07	4.6
99T-125	10	0.034	30	2.42	1.93	0.40	0.35	100	9	4.0	35	0.5	6.0	5	0.09	13	0.06	4.4
99T-126	10	0.058	28	2.17	1.91	0.50	0.28	98	9	3.0	30	1.0	5.0	5	0.08	8	0.07	6.1
99T-127	10	0.047	27	1.73	1.94	0.47	0.24	98	9	3.0	23	0.5	2.5	5	0.07	9	0.08	7.5
99T-131	10	0.028	33	2.27	1.95	0.38	0.35	81	10	4.0	34	1.0	6.0	5	0.10	16	0.04	4.1
99T-134	10	0.030	30	2.42	1.97	0.39	0.39	96	10	5.0	35	1.0	6.0	5	0.09	16	0.06	5.8
99T-135	10	0.032	31	2.82	1.95	0.59	0.41	82	10	5.0	43	1.0	6.0	5	0.10	16	0.04	5.1
99T-136	10	0.045	27	2.23	1.85	0.36	0.32	91	10	4.0	28	2.0	5.0	5	0.08	6	0.07	4.6
99T-139	10	0.045	27	2.53	1.88	0.46	0.33	84	9	5.0	35	1.0	5.0	5	0.08	6	0.07	10.0
99T-140	10	0.038	32	2.32	1.95	0.40	0.35	82	10	4.0	33	1.0	6.0	5	0.10	14	0.05	4.3
99T-142	10	0.034	27	2.02	1.74	0.39	0.30	102	8	3.0	30	0.5	2.5	5	0.08	6	0.07	6.7
99T-145-1 Analytical Duplicate	10	0.127	26	2.03	1.77	0.60	0.19	82	11	4.0	24	1.0	2.5	5	0.05	2	0.11	2.8
99T-145-2 Analytical Duplicate	10	0.031	14	0.66	3.03	0.16	0.07	79	5	1.0	8	0.5	2.5	5	0.03	2	0.08	1.1
99T-146	10	0.033	30	1.62	2.05	0.34	0.23	102	9	3.0	23	1.0	2.5	5	0.08	7	0.06	5.5
99T-147	10	0.039	29	1.78	2.05	0.46	0.22	85	9	3.0	25	1.0	2.5	5	0.09	10	0.06	5.6
99T-148	10	0.038	32	2.32	1.92	0.41	0.32	74	10	4.0	34	0.5	6.0	5	0.10	11	0.05	3.5
99T-149	10	0.061	31	2.47	1.91	0.43	0.32	74	11	5.0	32	2.0	6.0	5	0.09	10	0.05	6.5
99T-150	10	0.048	24	1.56	1.62	0.48	0.20	77	9	2.0	22	0.5	2.5	5	0.07	7	0.09	7.0
99T-151	10	0.080	27	2.86	1.81	0.66	0.29	65	11	6.0	42	2.0	6.0	5	0.09	6	0.07	6.0
99T-152	10	0.055	29	2.62	1.90	0.54	0.36	70	12	5.0	34	2.0	7.0	5	0.10	7	0.05	3.8
99T-154	10	0.058	29	3.19	1.90	0.60	0.40	56	12	6.0	48	2.0	8.0	5	0.11	12	0.03	6.4
99T-155	10	0.138	33	2.89	1.97	0.98	0.25	47	16	6.0	39	1.0	6.0	5	0.07	6	0.07	12.5
99T-156	10	0.062	32	2.29	1.92	0.39	0.28	92	10	4.0	30	0.5	6.0	5	0.09	12	0.06	5.4
99T-157	10	0.063	32	2.87	2.07	0.46	0.35	72	11	5.0	37	1.0	7.0	5	0.11	10	0.05	6.1
99T-201	10	0.062	28	2.79	2.00	0.56	0.43	61	11	6.0	40	1.0	7.0	5	0.09	12	0.05	6.8
99T-202	10	0.044	27	1.94	2.18	0.44	0.31	85	8	3.0	29	1.0	5.0	5	0.09	8	0.06	5.2
99T-203	10	0.087	28	1.74	2.21	0.39	0.28	92	9	3.0	26	0.5	2.5	5	0.08	6	0.06	4.2
99T-204	10	0.049	30	2.72	2.00	0.53	0.42	69	10	6.0	42	1.0	7.0	5	0.10	19	0.04	5.9
99T-205	10	0.048	26	2.92	1.98	0.50	0.44	60	10	6.0	42	1.0	7.0	5	0.10	14	0.04	3.1
99T-206	10	0.040	32	2.32	1.89	0.43	0.33	83	10	5.0	34	1.0	6.0	5	0.09	10	0.05	7.0
99T-207	10	0.042	28	2.37	1.68	0.52	0.27	78	10	4.0	30	0.5	5.0	5	0.08	3	0.07	4.4
99T-208	10	0.061	29	2.48	2.03	0.45	0.34	75	11	5.0	34	1.0	6.0	5	0.10	11	0.05	7.2
99T-209	10	0.048	27	2.57	2.26	0.90	0.39	69	9	5.0	40	2.0	6.0	5	0.09	9	0.08	2.8
99T-210	10	0.066	27	1.94	2.14	0.44	0.29	83	9	3.0	29	1.0	5.0	5	0.09	10	0.05	11.6
99T-211	10	0.039	32	2.49	1.92	0.37	0.41	83	10	5.0	39	1.0	6.0	5	0.09	9	0.05	6.0
99T-212	10	0.047	32	2.10	1.96	0.41	0.32	91	10	4.0	32	1.0	5.0	5	0.09	7	0.05	5.2
99T-213	10	0.093	37	2.91	2.09	0.69	0.23	46	16	6.0	33	3.0	6.0	5	0.09	8	0.07	5.9
99T-214	10	0.049	29	1.94	1.82	0.35	0.34	76	9	3.0	25	1.0	2.5	5	0.07	4	0.11	30.8
99T-215	10	0.087	31	3.37	2.03	0.71	0.42	41	12	7.0	47	3.0	7.0	5	0.11	15	0.04	12.3
99T-218	10	0.062	27	2.50	1.92	0.59	0.25	65	10	5.0	33	2.0	2.5	5	0.09	10	0.06	4.9
99T-219-1 Analytical Duplicate	10	0.071	27	2.18	2.14	0.52	0.27	59	11	3.0	29	2.0	2.5	5	0.10	14	0.05	6.4
99T-219-2 Analytical Duplicate	10	0.064	28	2.35	2.10	0.52	0.28	52	11	4.0	31	2.0	2.5	5	0.10	14	0.04	7.4
99T-220	10	0.039	29	1.82	1.85	0.42	0.24	85	10	3.0	26	1.0	2.5	5	0.08	14	0.07	4.7
99T-221	10	0.034	29	2.67	2.07	0.40	0.41	66	10	5.0	42	3.0	2.5	5	0.11	16	0.07	3.0
99T-223	10	0.036	26	1.86	2.07	0.35	0.32	96	8	3.0	28	0.5	2.5	5	0.07	12	0.08	9.5
99T-224	10	0.028	33	2.63	2.48	0.46	0.50	83	8	5.0	48	2.0	2.5	5	0.10	21	0.06	2.8
99T-225	10	0.060	19	1.29	1.29	0.52	0.21	83	7	2.0	18	0.5	2.5	5	0.05	6	0.13	15.6
99T-226	10	0.032	24	2.01	1.85	0.40	0.29	88	8	3.0	25	0.5	2.5	5	0.07	7	0.09	3.9
99T-227	10	0.026	27	2.11	1.91	0.36	0.32	84	9	3.0	29	1.0	2.5	5	0.08	14	0.07	4.5
99T-228	10	0.030	35	2.75	2.16	0.48	0.46	69	10	5.0	44	2.0	2.5	5	0.11	21	0.05	4.2
99T-229	10	0.054	34	2.33	1.80	0.58	0.28	93	14	4.0	30	2.0	2.5	5	0.07	5	0.10	7.0
99T-230-1 Analytical Duplicate	10	0.032	26	2.15	1.77	0.41	0.37	83	8	4.0	32	1.0	2.5	5	0.08	9	0.08	4.3
99T-230-2 Analytical Duplicate	10	0.026	27	2.11	1.79	0.40	0.35	85	9	4.0	30	1.0	2.5	5	0.08	8	0.08	4.2

Sample Site	W ppm	Hg ppm	La ppm	Al %	Mg %	Na %	K %	Sr ppm	Y ppm	Ga ppm	Li ppm	Nb ppm	Sc ppm	Ta ppm	Ti %	Zr ppm	S %	AsHY ppm
99T-233	10	0.037	33	2.71	1.96	0.37	0.39	67	11	5.0	36	2.0	2.5	5	0.10	11	0.06	3.5
99T-234	10	0.036	31	2.56	1.91	0.40	0.35	71	9	5.0	36	2.0	2.5	5	0.09	14	0.06	4.0
99T-235	10	0.020	27	2.15	1.66	0.38	0.27	87	8	4.0	32	1.0	2.5	5	0.09	9	0.07	3.4
99T-236	10	0.061	22	1.79	1.60	0.40	0.26	113	7	3.0	24	1.0	2.5	5	0.06	5	0.11	3.8
99T-237	10	0.028	27	2.07	1.87	0.39	0.32	99	9	4.0	31	1.0	2.5	5	0.08	13	0.08	4.5
99T-238	10	0.038	28	1.94	1.91	0.39	0.30	83	9	3.0	26	1.0	2.5	5	0.08	13	0.07	4.2
99T-239	10	0.053	31	1.92	2.11	0.35	0.26	81	10	3.0	29	2.0	2.5	5	0.10	10	0.06	5.3
99T-240	10	0.054	31	2.18	2.01	0.43	0.27	70	10	4.0	31	2.0	2.5	5	0.10	14	0.06	6.1
99T-241	10	0.025	33	2.62	2.07	0.42	0.42	72	10	5.0	40	2.0	2.5	5	0.09	18	0.06	4.8
99T-242	10	0.027	28	2.18	1.90	0.39	0.31	84	9	4.0	30	1.0	2.5	5	0.09	13	0.07	3.8
99T-243	10	0.035	29	2.17	1.95	0.33	0.32	86	10	3.0	32	1.0	2.5	5	0.09	15	0.07	4.1
99T-245	10	0.075	32	2.41	2.16	0.63	0.34	70	10	4.0	36	2.0	5.0	5	0.11	10	0.05	11.2
99T-246	10	0.062	30	2.15	2.04	0.39	0.30	84	10	4.0	32	2.0	2.5	5	0.09	10	0.07	3.9
99T-248-1 Analytical Duplicate	10	0.041	28	2.44	1.85	0.45	0.32	84	9	5.0	36	2.0	2.5	5	0.09	9	0.08	2.9
99T-248-2 Analytical Duplicate	10	0.036	30	2.39	1.84	0.34	0.33	97	10	4.0	35	2.0	2.5	5	0.09	11	0.08	2.1
99T-249	10	0.025	37	2.46	2.32	0.36	0.43	89	10	4.0	42	1.0	2.5	5	0.10	21	0.06	2.8
99T-250	10	0.031	37	3.74	1.73	0.50	0.57	37	10	8.0	57	3.0	7.0	5	0.12	21	0.02	3.7
99T-251	10	0.059	34	1.86	2.22	0.39	0.31	87	10	3.0	28	2.0	2.5	5	0.10	17	0.07	7.9
99T-252	10	0.029	30	3.29	1.99	0.52	0.48	57	10	7.0	51	3.0	6.0	5	0.11	20	0.04	2.6
99T-253	10	0.067	30	3.12	2.10	0.54	0.47	53	10	6.0	45	2.0	6.0	5	0.11	13	0.04	3.1
99T-260	10	0.025	25	2.06	1.76	0.39	0.34	106	8	3.0	31	1.0	2.5	5	0.08	7	0.08	3.3
99T-261	10	0.135	32	3.63	2.06	0.41	0.58	37	13	7.0	56	3.0	7.0	5	0.12	17	0.04	2.2
99T-262	10	0.049	30	1.89	1.98	0.33	0.30	84	10	3.0	28	0.5	2.5	5	0.09	16	0.07	7.4
99T-263	10	0.101	28	2.75	1.93	0.67	0.40	52	11	5.0	36	3.0	5.0	5	0.10	9	0.05	20.1
99T-264	10	0.068	37	3.74	1.64	0.68	0.28	48	16	8.0	53	3.0	6.0	5	0.07	4	0.11	3.6
99T-265	10	0.097	24	2.21	2.14	0.57	0.30	62	9	4.0	30	2.0	2.5	5	0.09	8	0.06	7.6
99T-266	10	0.048	28	1.89	2.04	0.53	0.20	76	9	3.0	24	2.0	2.5	5	0.08	7	0.08	5.3
99T-267	10	0.030	26	2.09	1.83	0.33	0.33	94	9	3.0	28	2.0	2.5	5	0.08	6	0.08	3.1
99T-268	10	0.092	24	2.18	1.89	0.81	0.25	75	9	4.0	26	2.0	2.5	5	0.06	3	0.10	10.0
99T-269	10	0.035	22	1.71	1.73	0.39	0.24	103	8	3.0	22	0.5	2.5	5	0.06	4	0.10	2.6
99T-271	10	0.078	26	2.45	1.90	0.46	0.26	63	10	4.0	30	2.0	2.5	5	0.10	6	0.06	5.4
99T-272	10	0.052	28	2.24	2.00	0.39	0.28	81	9	3.0	30	1.0	2.5	5	0.09	10	0.07	3.4
99T-273	10	0.056	28	2.58	1.87	0.50	0.36	79	10	5.0	33	0.5	2.5	5	0.09	9	0.07	4.5
99T-274	10	0.117	31	3.46	1.71	0.69	0.43	38	14	7.0	46	3.0	7.0	5	0.11	12	0.03	6.6
99T-275	10	0.116	57	3.87	1.80	1.18	0.36	37	26	8.0	45	3.0	8.0	5	0.07	5	0.07	8.1
99T-276-1 Analytical Duplicate	10	0.036	28	2.60	1.80	0.42	0.33	78	10	5.0	33	2.0	2.5	5	0.08	6	0.08	5.7
99T-276-2 Analytical Duplicate	10	0.034	35	3.16	2.15	0.51	0.41	61	15	5.0	39	2.0	6.0	5	0.09	6	0.06	9.1
99T-277	10	0.055	31	2.37	1.96	0.44	0.33	71	10	4.0	33	2.0	2.5	5	0.10	16	0.06	5.3
99T-278	10	0.050	31	2.27	2.11	0.41	0.29	88	10	4.0	31	2.0	2.5	5	0.10	13	0.07	6.6
99T-279	10	0.079	25	1.94	2.09	0.72	0.23	73	8	3.0	25	1.0	2.5	5	0.07	3	0.08	6.0
99T-281	10	0.049	28	2.38	1.76	0.52	0.25	70	9	4.0	31	2.0	2.5	5	0.08	6	0.08	3.5
99T-282	10	0.042	27	2.12	1.97	0.47	0.23	79	10	3.0	25	0.5	2.5	5	0.08	6	0.08	5.0
99T-284	10	0.039	26	2.33	2.06	0.39	0.34	74	9	4.0	35	2.0	2.5	5	0.09	17	0.06	2.2
99T-285	10	0.022	38	2.50	2.14	0.38	0.52	81	11	4.0	42	1.0	5.0	5	0.11	19	0.05	2.3
99T-286	10	0.051	28	2.73	2.03	0.59	0.36	63	9	5.0	35	2.0	2.5	5	0.09	7	0.07	4.3
99T-287	10	0.082	26	2.60	1.74	0.60	0.21	64	10	5.0	32	2.0	2.5	5	0.08	5	0.08	5.4
99T-288	10	0.047	32	2.28	2.01	0.47	0.35	74	10	4.0	33	1.0	2.5	5	0.10	15	0.05	4.6
99T-289	10	0.058	30	2.27	1.88	0.41	0.29	71	10	4.0	31	2.0	2.5	5	0.10	12	0.06	6.0
99T-290	10	0.028	27	2.06	1.86	0.38	0.28	90	9	3.0	29	1.0	2.5	5	0.08	10	0.08	3.4
99T-291	10	0.035	27	2.13	1.85	0.40	0.30	85	9	3.0	29	0.5	2.5	5	0.08	14	0.07	4.2
99T-292-1 Analytical Duplicate	10	0.054	31	2.62	2.06	0.36	0.50	71	10	5.0	41	2.0	5.0	5	0.11	16	0.05	6.0
99T-292-2 Analytical Duplicate	10	0.056	33	2.57	2.11	0.35	0.45	75	10	4.0	41	2.0	5.0	5	0.11	17	0.05	15.8
99T-293	10	0.070	28	2.19	2.23	0.65	0.35	78	9	4.0	32	2.0	2.5	5	0.10	7	0.06	8.9
99T-294	10	0.035	29	2.80	2.09	0.37	0.46	58	9	5.0	43	3.0	5.0	5	0.11	18	0.07	2.4

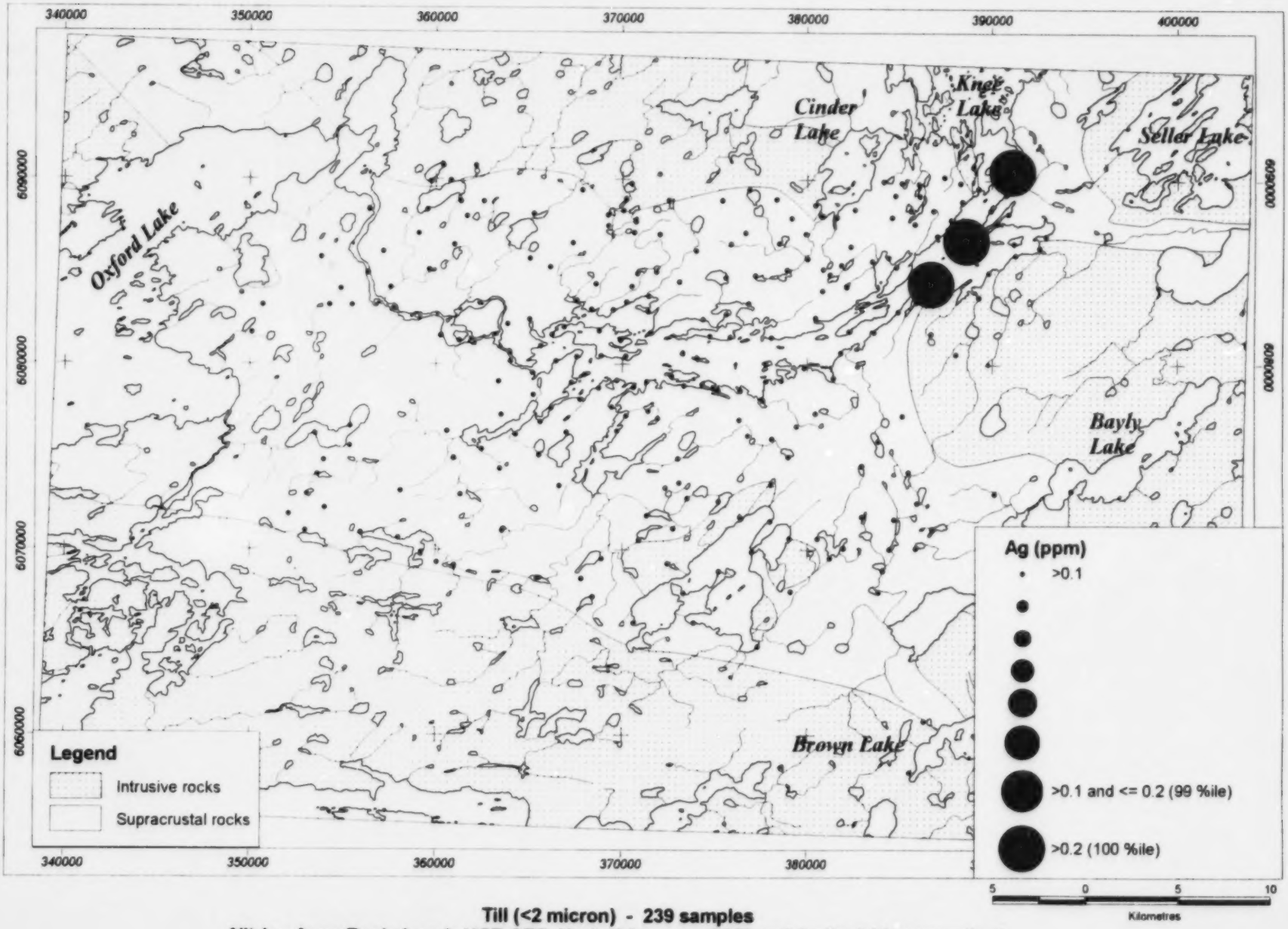
Sample Site	W ppm	Hg ppm	La ppm	Al %	Mg %	Na %	K %	Sr ppm	Y ppm	Ga ppm	Li ppm	Nb ppm	Sc ppm	Ta ppm	Ti %	Zr ppm	S %	AsHY ppm
99T-295	10	0.065	25	1.96	1.88	0.47	0.23	114	8	3.0	29	1.0	2.5	5	0.08	6	0.10	5.8
99T-296	10	0.058	32	2.50	2.13	0.37	0.41	75	10	4.0	37	1.0	2.5	5	0.11	18	0.05	4.4
99T-297	10	0.063	29	2.70	2.09	0.37	0.50	62	11	5.0	41	2.0	5.0	5	0.11	12	0.06	1.8
99T-298	10	0.049	32	2.44	2.09	0.33	0.39	75	10	4.0	39	1.0	2.5	5	0.10	19	0.05	4.8
99T-299	10	0.093	27	2.94	2.33	0.42	0.41	60	9	5.0	44	2.0	7.0	5	0.10	13	0.04	14.4
99T-300	10	0.036	31	2.27	2.00	0.40	0.30	77	9	4.0	34	2.0	2.5	5	0.09	14	0.07	3.5
99T-301	10	0.037	23	1.48	1.71	0.50	0.20	110	8	2.0	21	1.0	2.5	5	0.06	3	0.11	3.5
99T-302	10	0.109	32	3.68	1.93	0.67	0.27	47	15	8.0	47	2.0	7.0	5	0.10	8	0.04	6.4
99T-303	10	0.048	31	1.89	1.95	0.34	0.31	111	10	3.0	28	0.5	2.5	5	0.08	9	0.08	5.1
99T-304	10	0.063	30	2.70	2.08	0.56	0.25	57	10	5.0	33	2.0	5.0	5	0.11	8	0.05	8.0
99T-305	10	0.091	20	1.21	2.79	0.30	0.16	79	7	1.0	17	1.0	2.5	5	0.06	5	0.07	3.1
99T-306	10	0.038	29	2.48	2.16	0.49	0.41	71	9	4.0	37	2.0	2.5	5	0.10	9	0.05	7.7
99T-308	10	0.036	31	2.28	2.04	0.38	0.33	75	10	4.0	33	2.0	2.5	5	0.09	8	0.06	5.5
99T-310	10	0.054	26	1.78	1.91	0.96	0.23	89	8	3.0	25	1.0	2.5	5	0.07	6	0.08	5.5
99T-311	10	0.141	28	2.34	2.17	0.43	0.34	73	9	4.0	35	1.0	2.5	5	0.10	15	0.05	5.9
99T-312	10	0.069	32	3.14	1.77	0.60	0.27	52	13	6.0	36	3.0	2.5	5	0.07	3	0.09	6.2
99T-314-1 Analytical Duplicate	10	0.036	29	2.24	2.02	0.42	0.31	82	9	3.0	30	1.0	2.5	5	0.09	6	0.07	2.8
99T-314-2 Analytical Duplicate	10	0.032	29	2.21	2.07	0.43	0.31	84	10	3.0	30	1.0	2.5	5	0.09	6	0.07	3.0
99T-315	10	0.041	31	2.13	2.08	0.33	0.30	85	10	3.0	31	1.0	2.5	5	0.10	6	0.07	3.8
99T-316	10	0.027	37	2.24	2.09	0.43	0.36	91	10	4.0	36	2.0	2.5	5	0.11	5	0.06	2.5
99T-317	10	0.049	30	3.24	2.48	0.40	0.36	45	10	6.0	48	3.0	6.0	5	0.13	14	0.03	2.5
99T-319	10	0.029	25	2.03	1.83	0.36	0.28	99	9	3.0	28	0.5	2.5	5	0.07	4	0.09	3.9
99T-320	10	0.049	31	2.41	2.05	0.41	0.32	82	10	4.0	33	2.0	2.5	5	0.10	7	0.06	4.4
99T-322	10	0.056	30	2.31	1.84	0.55	0.26	84	10	4.0	36	2.0	2.5	5	0.08	4	0.08	7.2
99T-324	10	0.059	23	1.58	1.52	0.59	0.20	109	8	2.0	21	2.0	2.5	5	0.06	1	0.12	4.7
99T-325	10	0.044	30	2.52	1.88	0.49	0.40	81	10	4.0	36	2.0	2.5	5	0.11	6	0.06	3.5
99T-326	10	0.038	30	2.13	2.04	0.37	0.30	81	10	3.0	32	1.0	2.5	5	0.10	3	0.06	4.2
99T-327	10	0.044	29	1.93	2.07	0.40	0.24	86	9	3.0	26	2.0	2.5	5	0.09	5	0.07	5.0
99T-328	10	0.063	29	2.71	1.95	0.42	0.40	63	10	5.0	40	2.0	5.0	5	0.11	7	0.05	6.1
99T-329-1 Analytical Duplicate	10	0.034	31	1.82	2.01	0.38	0.23	103	10	2.0	24	1.0	2.5	5	0.08	7	0.08	4.2
99T-329-2 Analytical Duplicate	10	0.033	30	1.73	2.01	0.36	0.22	102	9	2.0	23	1.0	2.5	5	0.08	5	0.08	4.4
99T-330	10	0.032	30	1.90	2.03	0.31	0.28	99	9	3.0	29	1.0	2.5	5	0.09	18	0.07	7.9
99T-331	10	0.035	31	1.87	2.12	0.33	0.24	86	10	3.0	26	0.5	2.5	5	0.09	17	0.07	3.6
99T-332	10	0.045	30	1.83	2.02	0.35	0.28	86	10	3.0	28	2.0	2.5	5	0.09	11	0.07	4.7
99T-334	10	0.033	28	2.85	1.97	0.46	0.40	75	9	6.0	41	2.0	2.5	5	0.09	14	0.06	4.9
99T-335	10	0.030	34	2.43	2.39	0.37	0.37	78	9	4.0	39	2.0	2.5	5	0.10	18	0.06	1.9
99T-338	10	0.027	35	2.51	2.08	0.43	0.41	69	10	5.0	36	2.0	2.5	5	0.10	17	0.05	4.1
99T-341	10	0.041	35	1.98	2.19	0.45	0.29	86	10	3.0	26	1.0	2.5	5	0.10	16	0.07	8.5
99T-343	10	0.045	28	2.14	1.98	0.49	0.28	109	9	4.0	31	1.0	2.5	5	0.08	12	0.08	10.0
99T-344	10	0.060	29	2.22	2.06	0.51	0.32	86	8	4.0	34	2.0	2.5	5	0.09	9	0.08	18.9
99T-345	10	0.030	31	1.84	1.98	0.37	0.27	99	10	3.0	24	1.0	2.5	5	0.08	15	0.09	50.0
99T-346	10	0.054	32	2.04	2.17	0.46	0.31	77	8	4.0	29	2.0	2.5	5	0.09	9	0.07	16.9
99T-347	10	0.070	27	2.65	1.89	0.47	0.34	71	9	5.0	36	2.0	5.0	5	0.11	16	0.05	5.7
99T-349	10	0.086	27	3.03	2.03	0.39	0.46	57	9	6.0	47	2.0	6.0	5	0.11	19	0.04	3.7
99T-350	10	0.052	30	2.75	1.94	0.46	0.33	62	9	5.0	37	2.0	5.0	5	0.11	16	0.05	4.1
99T-351	10	0.025	30	2.40	2.65	0.34	0.41	83	8	4.0	39	0.5	2.5	5	0.09	20	0.06	2.4

Duplicate Pair ICP-AES, Hg (Cold Vapour - AAS) And As (Hydride Generation) Analyses For The <2 Micron Size Fraction Of Till Samples.

Sample Site	UTM		Ag	Cu	Pb	Zn	Mo	Ni	Co	Cd	Bi	As	Sb	Fe	Mn	Te	Ba	Cr	V	Sn
	Easting	Northing	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
99T-21-1 Analytical Duplicate	384823.47	6085301.09	0.1	28	11	46	1.0	21	9	0.3	2.5	8.0	2.5	2.54	377	5	62	32	26	10
99T-21-2 Analytical Duplicate	384823.47	6085301.09	0.1	27	11	53	2.0	25	11	0.3	2.5	8.0	2.5	2.93	391	5	68	42	32	10
99T-41-1 Analytical Duplicate	391167.56	6086589.75	0.1	39	12	67	0.5	31	13	0.3	2.5	8.0	2.5	3.42	552	5	95	47	42	10
99T-41-2 Analytical Duplicate	391167.56	6086589.75	0.1	35	14	67	0.5	32	13	0.3	2.5	9.0	2.5	3.40	556	5	92	47	41	10
99T-73-1 Analytical Duplicate	370656.16	6087109.32	0.1	55	15	71	0.5	40	15	0.3	2.5	13.0	2.5	4.37	457	5	102	60	5[illegible]	10
99T-73-2 Analytical Duplicate	370656.16	6087109.32	0.1	51	17	72	1.0	39	16	0.1	2.5	12.0	2.5	4.08	542	5	101	59	49	10
99T-82-1 Analytical Duplicate	372516.50	6088851.06	0.1	55	24	78	0.5	37	16	0.3	2.5	11.0	2.5	4.01	652	5	93	50	42	10
99T-82-2 Analytical Duplicate	372516.50	6088851.06	0.1	58	24	81	2.0	38	16	0.2	2.5	15.0	2.5	4.03	649	5	94	51	43	10
99T-124-1 Analytical Duplicate	362147.22	6090729.66	0.1	34	12	63	1.0	30	13	0.5	2.5	2.5	2.5	3.38	560	5	82	45	35	10
99T-124-2 Analytical Duplicate	362147.22	6090729.66	0.1	32	10	58	1.0	30	11	0.3	2.5	2.5	2.5	3.18	475	5	87	43	36	10
99T-145-1 Analytical Duplicate	365012.13	6082425.90	0.1	47	17	54	0.5	33	14	0.4	2.5	2.5	2.5	3.06	490	5	75	44	32	10
99T-145-2 Analytical Duplicate	365012.13	6082425.90	0.1	15	5	18	1.0	10	5	0.1	2.5	2.5	2.5	1.16	251	5	24	16	13	10
99T-219-1 Analytical Duplicate	367825.77	6068425.98	0.1	34	14	69	0.5	34	14	0.4	2.5	7.0	2.5	3.56	537	5	82	51	38	10
99T-219-2 Analytical Duplicate	367825.77	6068425.98	0.1	37	15	75	0.5	38	15	0.4	2.5	8.0	2.5	3.80	517	5	85	55	40	10
99T-230-1 Analytical Duplicate	355405.44	6076684.24	0.1	24	12	55	1.0	27	10	0.5	2.5	2.5	2.5	3.01	410	5	94	42	33	10
99T-230-2 Analytical Duplicate	355405.44	6076684.24	0.1	25	11	55	1.0	28	11	0.4	2.5	2.5	2.5	3.03	428	5	90	41	32	10
99T-248-1 Analytical Duplicate	363998.87	6080166.06	0.1	27	14	67	0.5	40	16	0.2	2.5	6.0	2.5	3.59	442	5	90	55	44	10
99T-248-2 Analytical Duplicate	363998.87	6080166.06	0.1	27	14	68	0.5	39	15	0.2	2.5	2.5	2.5	3.56	527	5	99	57	43	10
99T-276-1 Analytical Duplicate	385148.66	6077248.38	0.1	28	13	67	1.0	37	14	0.3	2.5	10.0	2.5	3.61	516	5	80	52	41	10
99T-276-2 Analytical Duplicate	385148.66	6077248.38	0.1	28	17	81	0.5	44	17	0.2	2.5	14.0	2.5	4.43	615	5	98	66	51	10
99T-292-1 Analytical Duplicate	372658.22	6079359.51	0.1	36	16	90	1.0	44	19	0.3	2.5	6.0	2.5	4.12	696	5	97	62	48	10
99T-292-2 Analytical Duplicate	372658.22	6079359.51	0.1	36	14	88	2.0	44	18	0.3	2.5	20.0	2.5	4.06	664	5	97	61	48	10
99T-314-1 Analytical Duplicate	380441.27	6077362.52	0.1	31	11	60	2.0	33	12	0.4	2.5	10.0	2.5	3.18	539	5	92	51	36	10
99T-314-2 Analytical Duplicate	380441.27	6077362.52	0.1	28	11	60	2.0	34	13	0.3	2.5	2.5	2.5	3.19	586	5	93	51	37	10
99T-329-1 Analytical Duplicate	373524.62	6072776.30	0.1	31	12	58	2.0	27	11	0.5	2.5	5.0	2.5	2.94	567	5	106	44	31	10
99T-329-2 Analytical Duplicate	373524.62	6072776.30	0.1	31	11	56	2.0	26	11	0.3	2.5	2.5	2.5	2.79	543	5	100	42	32	10

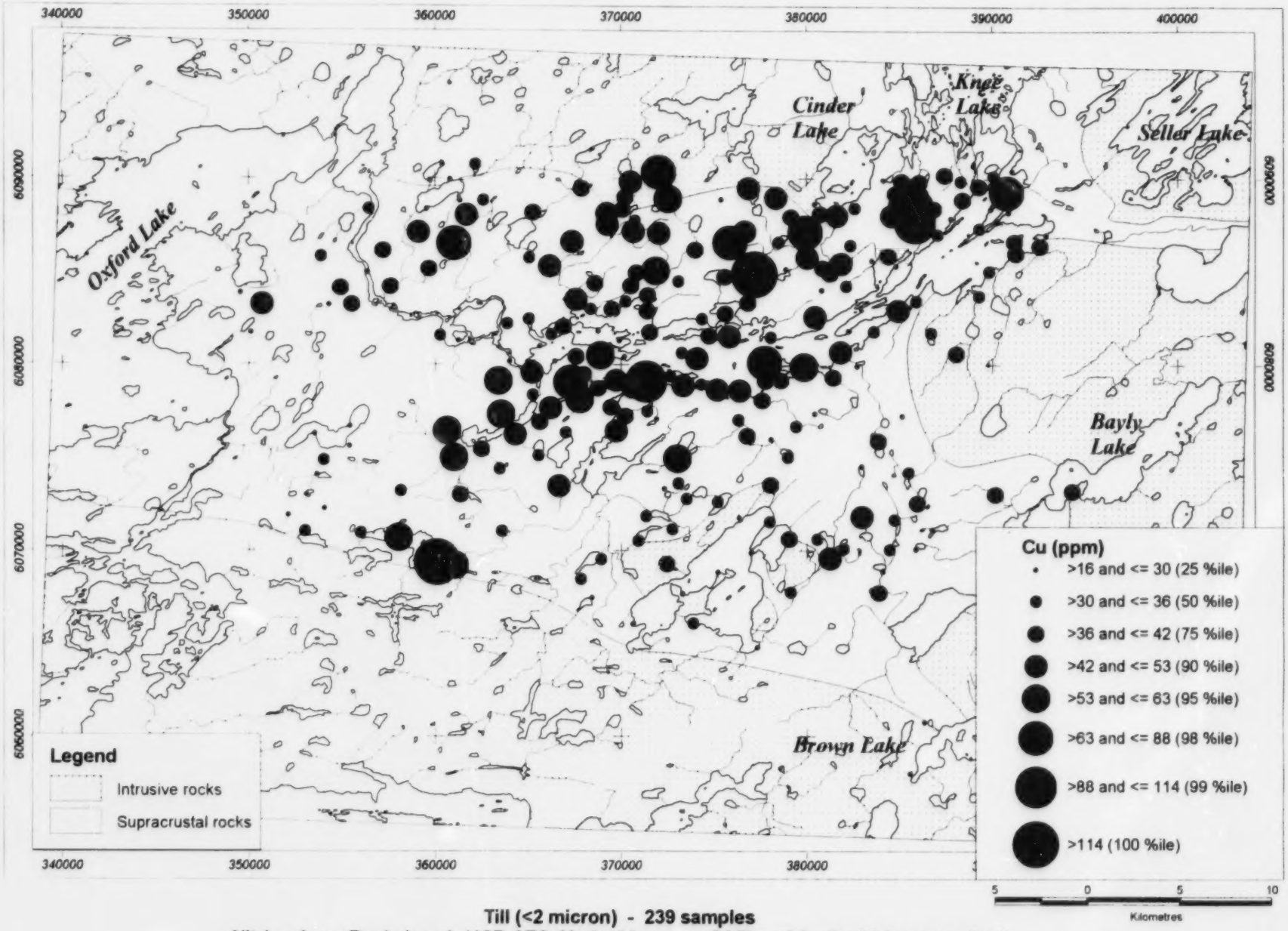
Sample Site	W	Hg	La	Al	Mg	Na	K	Sr	Y	Ga	Li	Nb	Sc	Ta	Ti	Zr	S	AsHY
	ppm	ppm	ppm	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	%	ppm
99T-21-1 Analytical Duplicate	10	0.032	23	1.38	1.92	0.36	0.16	95	8	1.0	19	0.5	2.5	5	0.06	6	0.08	5.4
99T-21-2 Analytical Duplicate	10	0.028	24	1.73	1.86	0.44	0.21	87	8	3.0	23	1.0	2.5	5	0.08	9	0.07	5.1
99T-41-1 Analytical Duplicate	10	0.049	31	2.08	2.00	0.36	0.31	100	10	4.0	30	1.0	2.5	5	0.09	11	0.07	5.7
99T-41-2 Analytical Duplicate	10	0.039	32	2.04	2.05	0.34	0.30	99	10	3.0	30	1.0	2.5	5	0.09	12	0.07	6.1
99T-73-1 Analytical Duplicate	10	0.077	30	2.93	1.84	0.56	0.28	59	13	5.0	35	2.0	7.0	5	0.09	8	0.06	8.0
99T-73-2 Analytical Duplicate	10	0.078	28	2.63	1.92	0.50	0.28	65	11	5.0	33	2.0	6.0	5	0.10	10	0.06	9.2
99T-82-1 Analytical Duplicate	10	0.089	32	2.31	2.09	0.49	0.30	78	11	4.0	34	1.0	6.0	5	0.09	14	0.05	9.8
99T-82-2 Analytical Duplicate	10	0.103	32	2.41	2.13	0.56	0.30	76	11	4.0	35	0.5	6.0	5	0.10	13	0.05	11.0
99T-124-1 Analytical Duplicate	10	0.041	32	2.08	1.91	0.33	0.29	100	10	3.0	29	0.5	5.0	5	0.08	13	0.07	4.8
99T-124-2 Analytical Duplicate	10	0.039	31	2.06	1.90	0.34	0.29	98	10	3.0	29	0.5	5.0	5	0.08	10	0.07	4.6
99T-145-1 Analytical Duplicate	10	0.127	26	2.03	1.77	0.60	0.19	82	11	4.0	24	1.0	2.5	5	0.05	2	0.11	2.8
99T-145-2 Analytical Duplicate	10	0.031	14	0.66	3.03	0.16	0.07	79	5	1.0	8	0.5	2.5	5	0.03	2	0.08	1.1
99T-219-1 Analytical Duplicate	10	0.071	27	2.18	2.14	0.52	0.27	59	11	3.0	29	2.0	2.5	5	0.10	14	0.05	6.4
99T-219-2 Analytical Duplicate	10	0.064	28	2.35	2.10	0.52	0.28	52	11	4.0	31	2.0	2.5	5	0.10	14	0.04	7.4
99T-230-1 Analytical Duplicate	10	0.032	26	2.15	1.77	0.41	0.37	83	8	4.0	32	1.0	2.5	5	0.08	9	0.08	4.3
99T-230-2 Analytical Duplicate	10	0.026	27	2.11	1.79	0.40	0.35	85	9	4.0	30	1.0	2.5	5	0.08	8	0.08	4.2
99T-248-1 Analytical Duplicate	10	0.041	28	2.44	1.85	0.45	0.32	84	9	5.0	36	2.0	2.5	5	0.09	9	0.08	2.9
99T-248-2 Analytical Duplicate	10	0.036	30	2.39	1.84	0.34	0.33	97	10	4.0	35	2.0	2.5	5	0.09	11	0.08	2.1
99T-276-1 Analytical Duplicate	10	0.036	28	2.60	1.80	0.42	0.33	78	10	5.0	33	2.0	2.5	5	0.08	6	0.08	5.7
99T-276-2 Analytical Duplicate	10	0.034	35	3.16	2.15	0.51	0.41	61	15	5.0	39	2.0	6.0	5	0.09	6	0.06	9.1
99T-292-1 Analytical Duplicate	10	0.054	31	2.62	2.06	0.36	0.50	71	10	5.0	41	2.0	5.0	5	0.11	16	0.05	6.0
99T-292-2 Analytical Duplicate	10	0.056	33	2.57	2.11	0.35	0.45	75	10	4.0	41	2.0	5.0	5	0.11	17	0.05	15.8
99T-314-1 Analytical Duplicate	10	0.036	29	2.24	2.02	0.42	0.31	82	9	3.0	30	1.0	2.5	5	0.09	6	0.07	2.8
99T-314-2 Analytical Duplicate	10	0.032	29	2.21	2.07	0.43	0.31	84	10	3.0	30	1.0	2.5	5	0.09	6	0.07	3.0
99T-329-1 Analytical Duplicate	10	0.034	31	1.82	2.01	0.38	0.23	103	10	2.0	24	1.0	2.5	5	0.08	7	0.08	4.2
99T-329-2 Analytical Duplicate	10	0.033	30	1.73	2.01	0.36	0.22	102	9	2.0	23	1.0	2.5	5	0.08	5	0.08	4.4

ICP-AES, Hg And As Percentile Bubble Plots For The <2 Micron Size Fraction Of Till Samples.



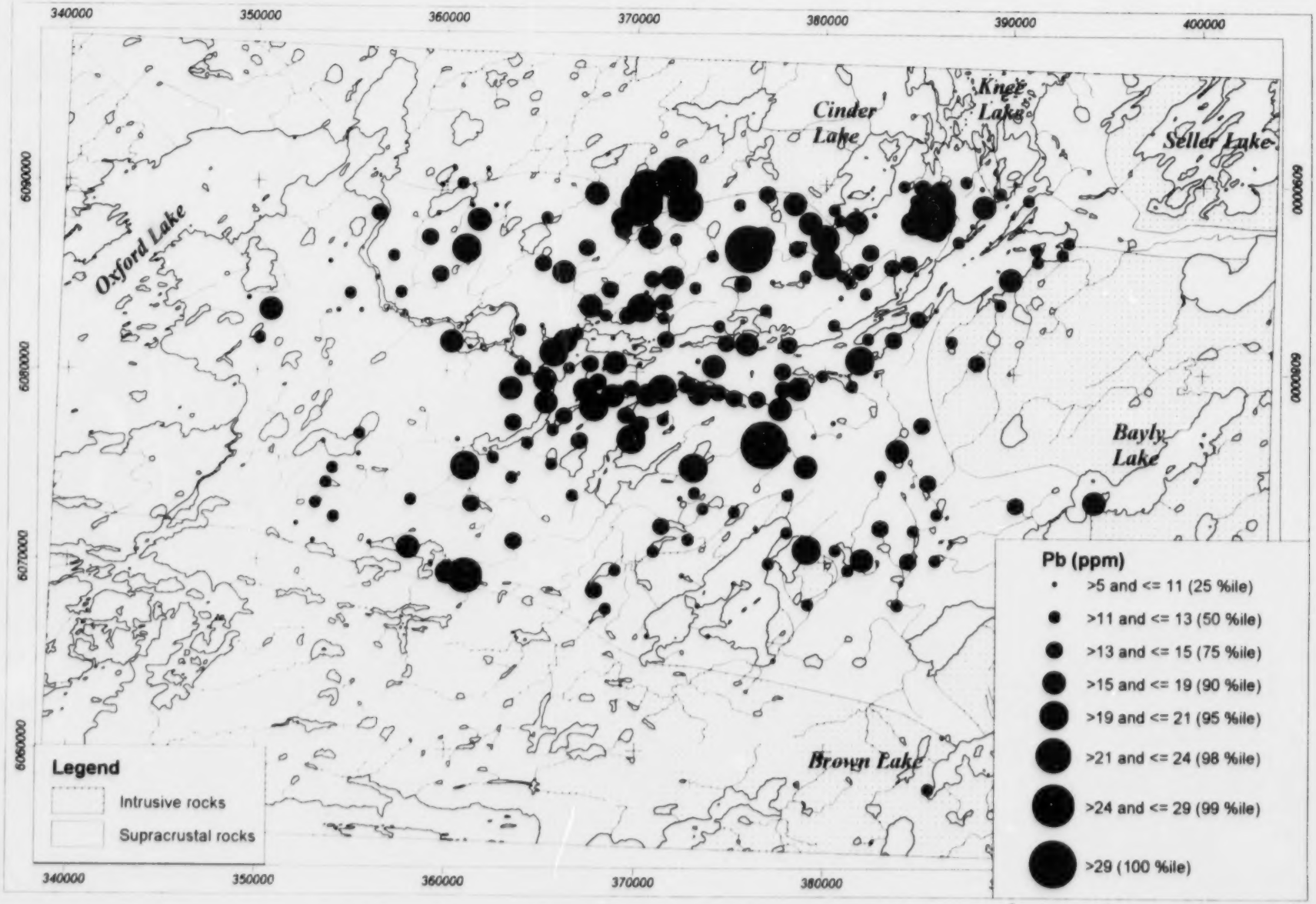
Till (<2 micron) - 239 samples
Nitric - Aqua Regia Leach / ICP-AES, Hg (cold-vapour AAS) and As (hydride generation)

Appendix T-3-1



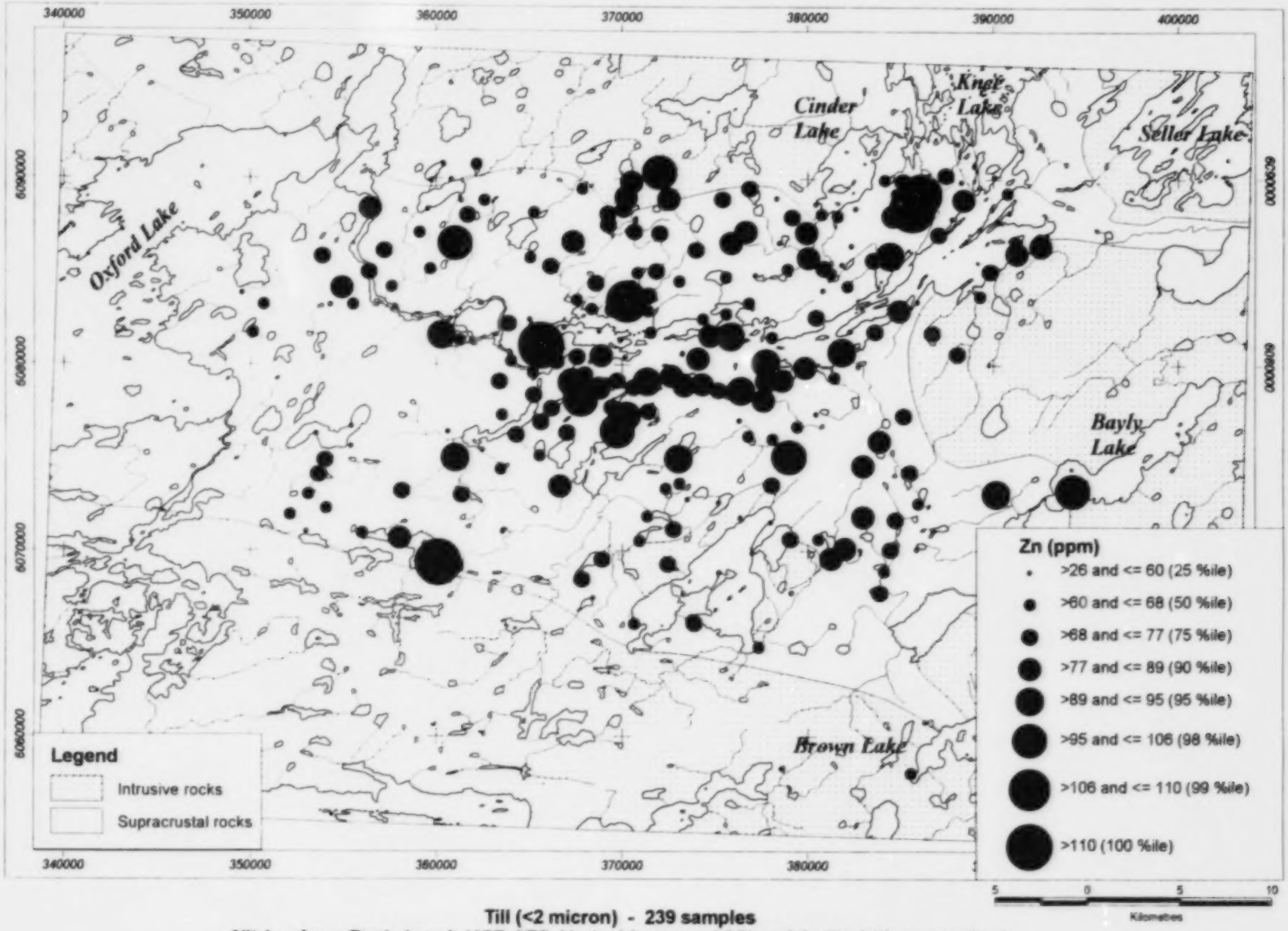
Till (<2 micron) - 239 samples
Nitric - Aqua Regia Leach / ICP-AES, Hg (cold-vapour AAS) and As (hydride generation)

Appendix T-3-2



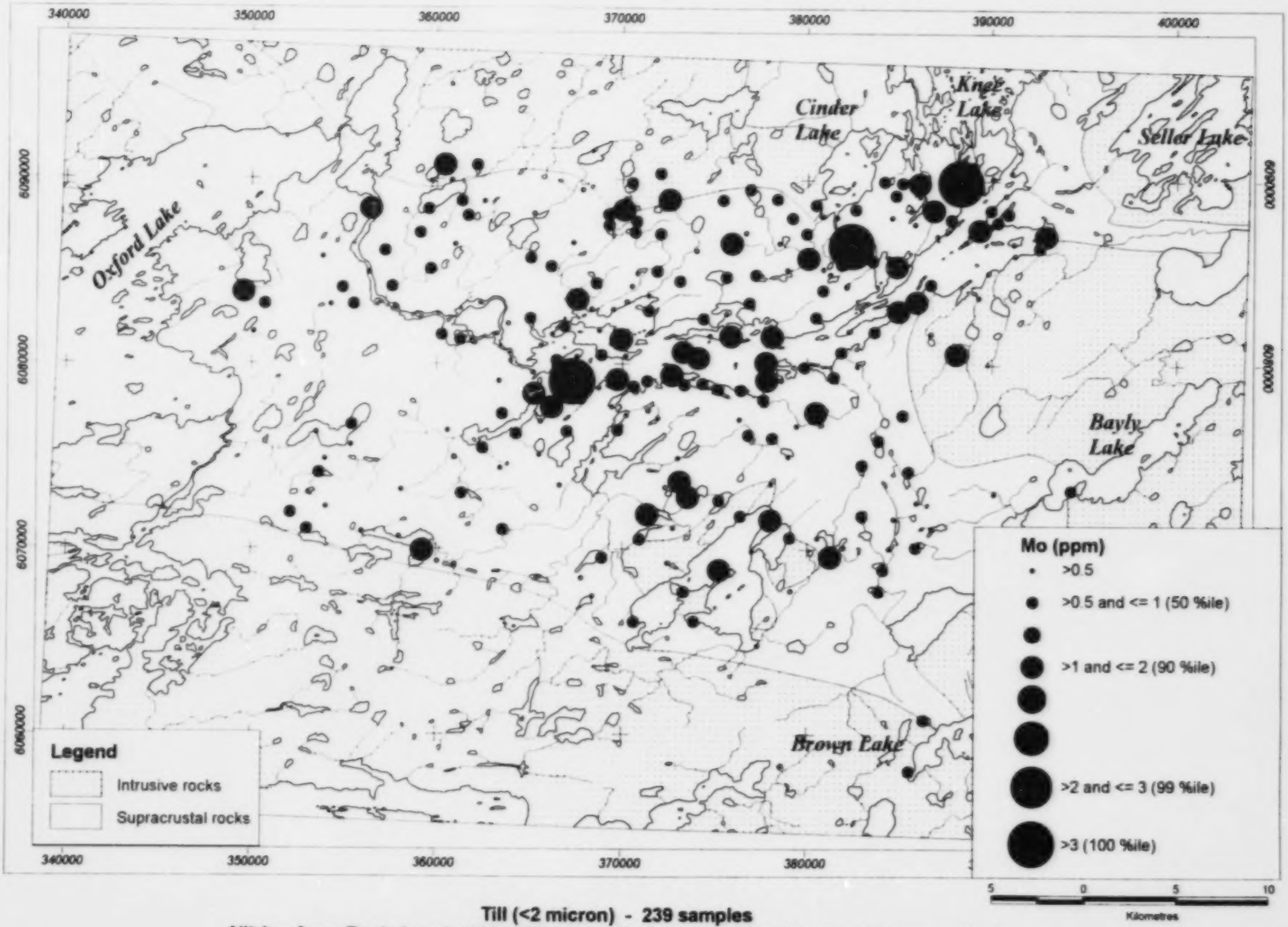
Till (<2 micron) - 239 samples
Nitric - Aqua Regia Leach / ICP-AES, Hg (cold-vapour AAS) and As (hydride generation)

Appendix T-3-3



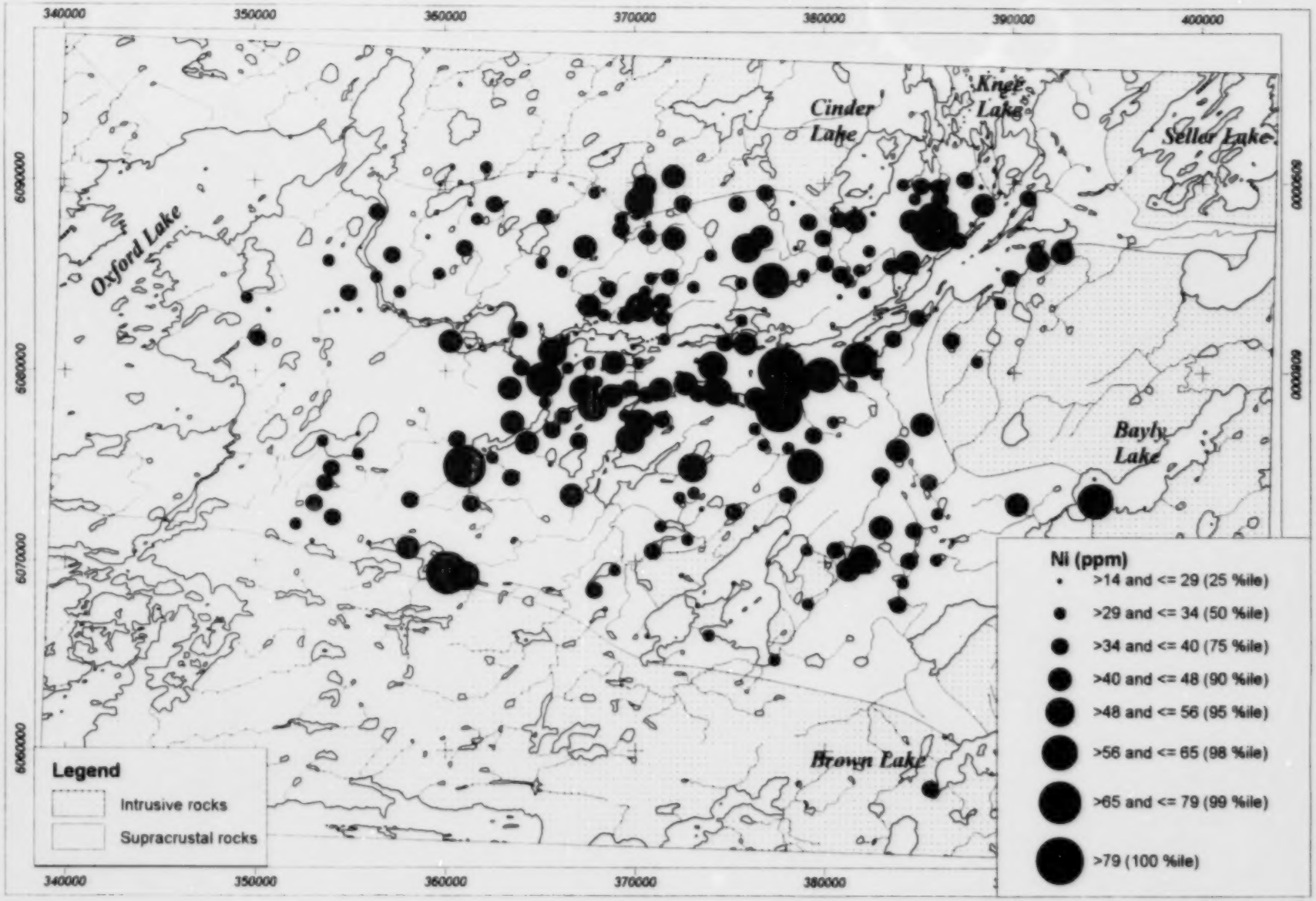
Till (<2 micron) - 239 samples
Nitric - Aqua Regia Leach / ICP-AES, Hg (cold-vapour AAS) and As (hydride generation)

Appendix T-3-4



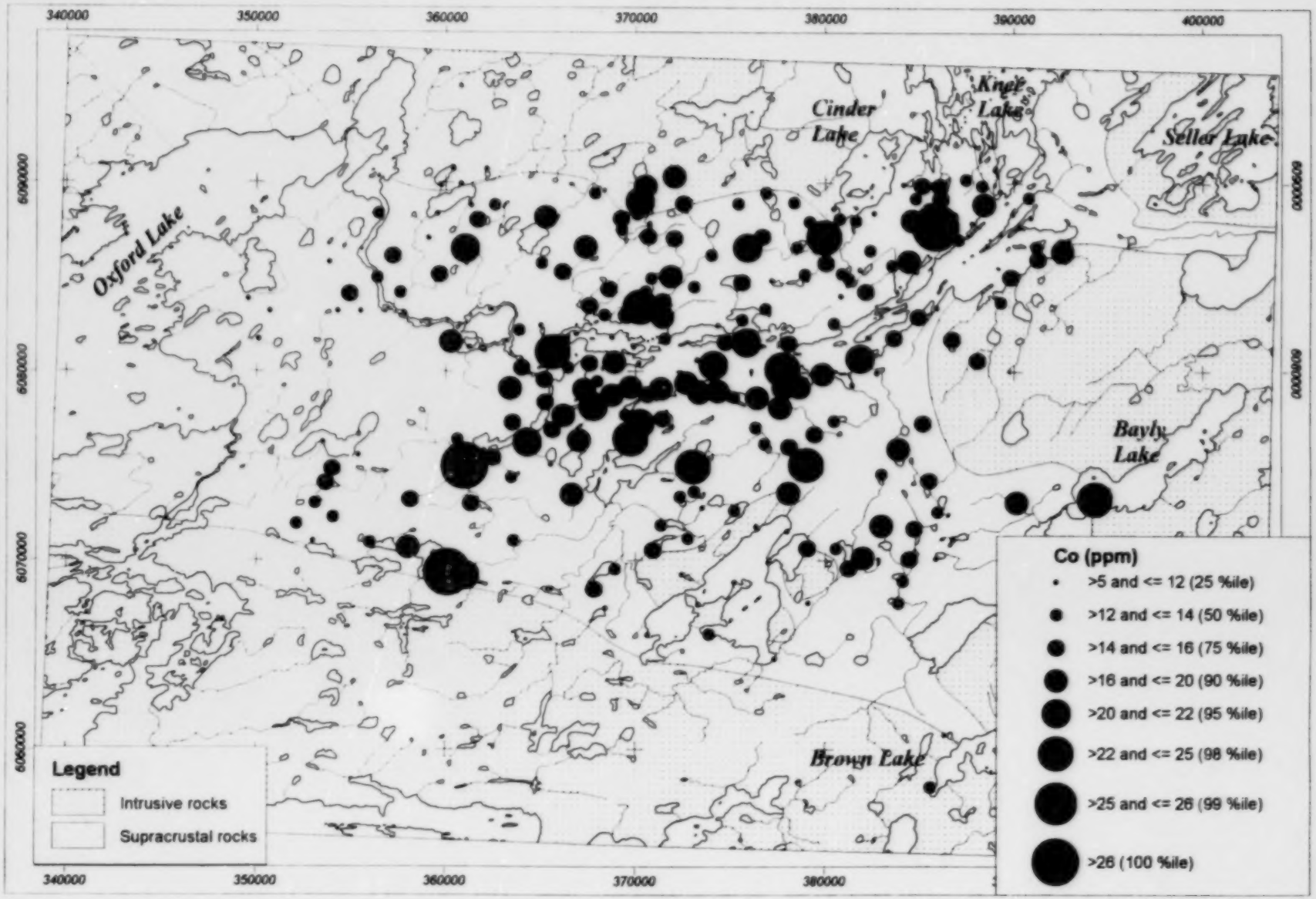
Till (<2 micron) - 239 samples
Nitric - Aqua Regia Leach / ICP-AES, Hg (cold-vapour AAS) and As (hydride generation)

Appendix T-3-5



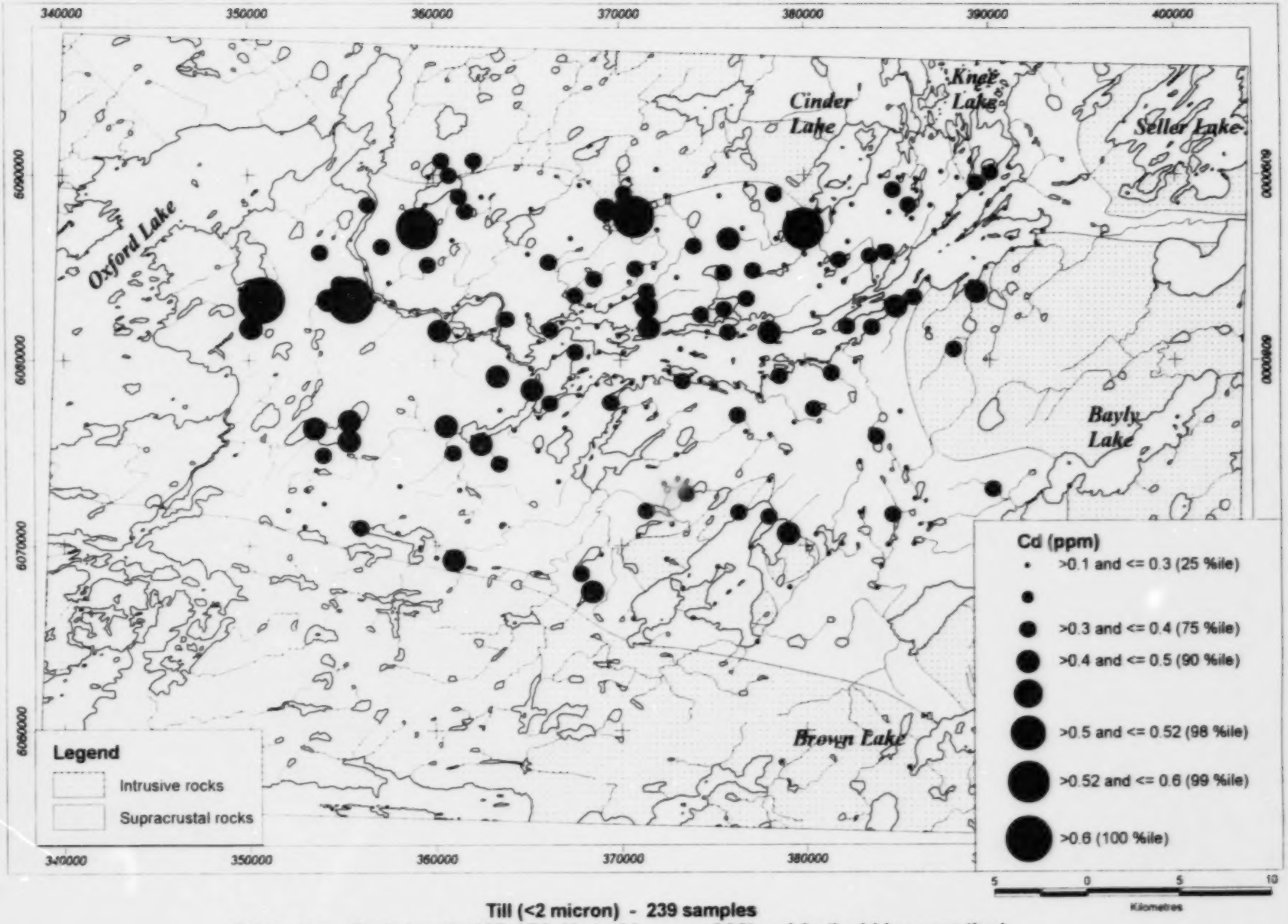
Till (<2 micron) - 239 samples
Nitric - Aqua Regia Leach / ICP-AES, Hg (cold-vapour AAS) and As (hydride generation)

Appendix T-3-6



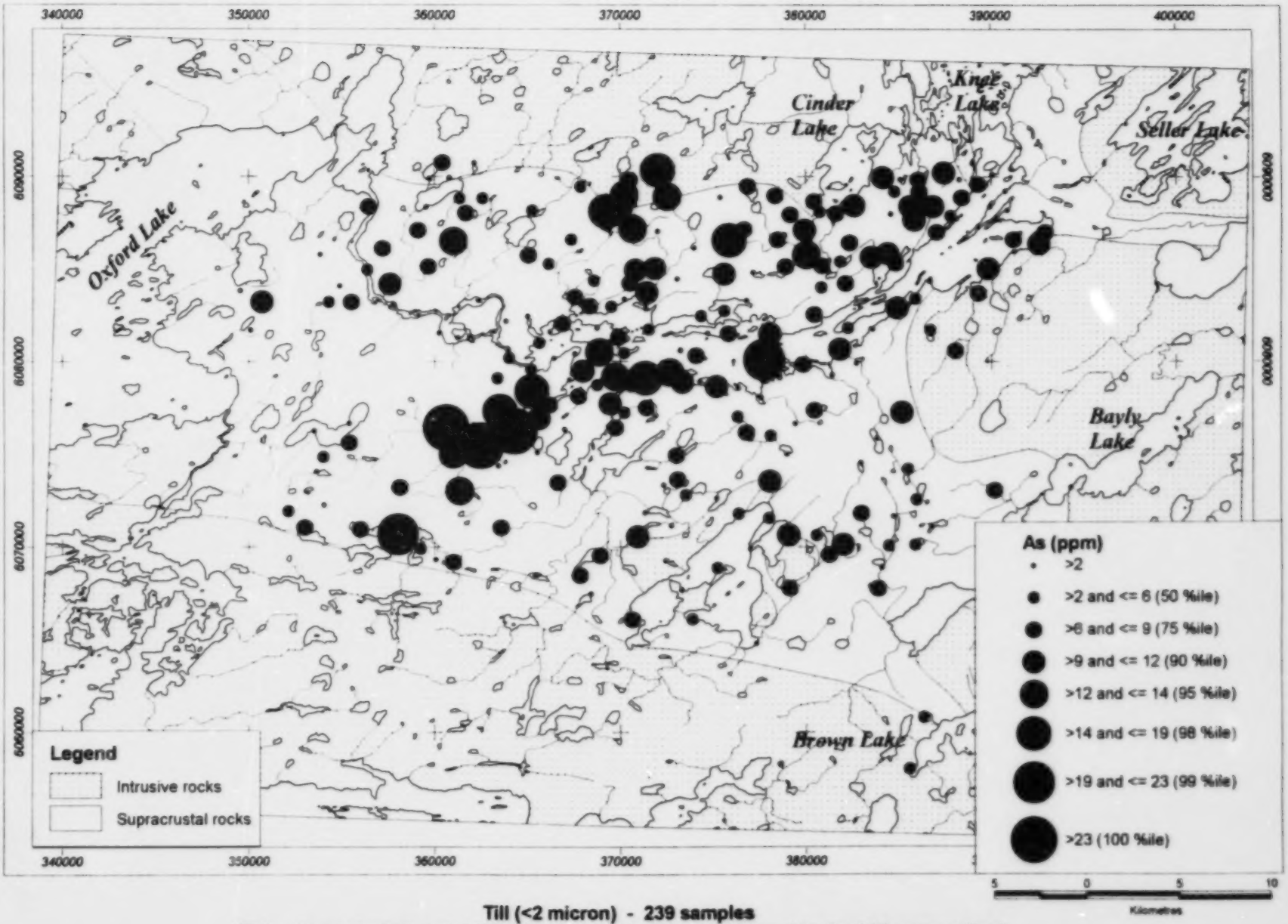
Till (<2 micron) - 239 samples
Nitric - Aqua Regia Leach / ICP-AES, Hg (cold-vapour AAS) and As (hydride generation)

Appendix T-3-7



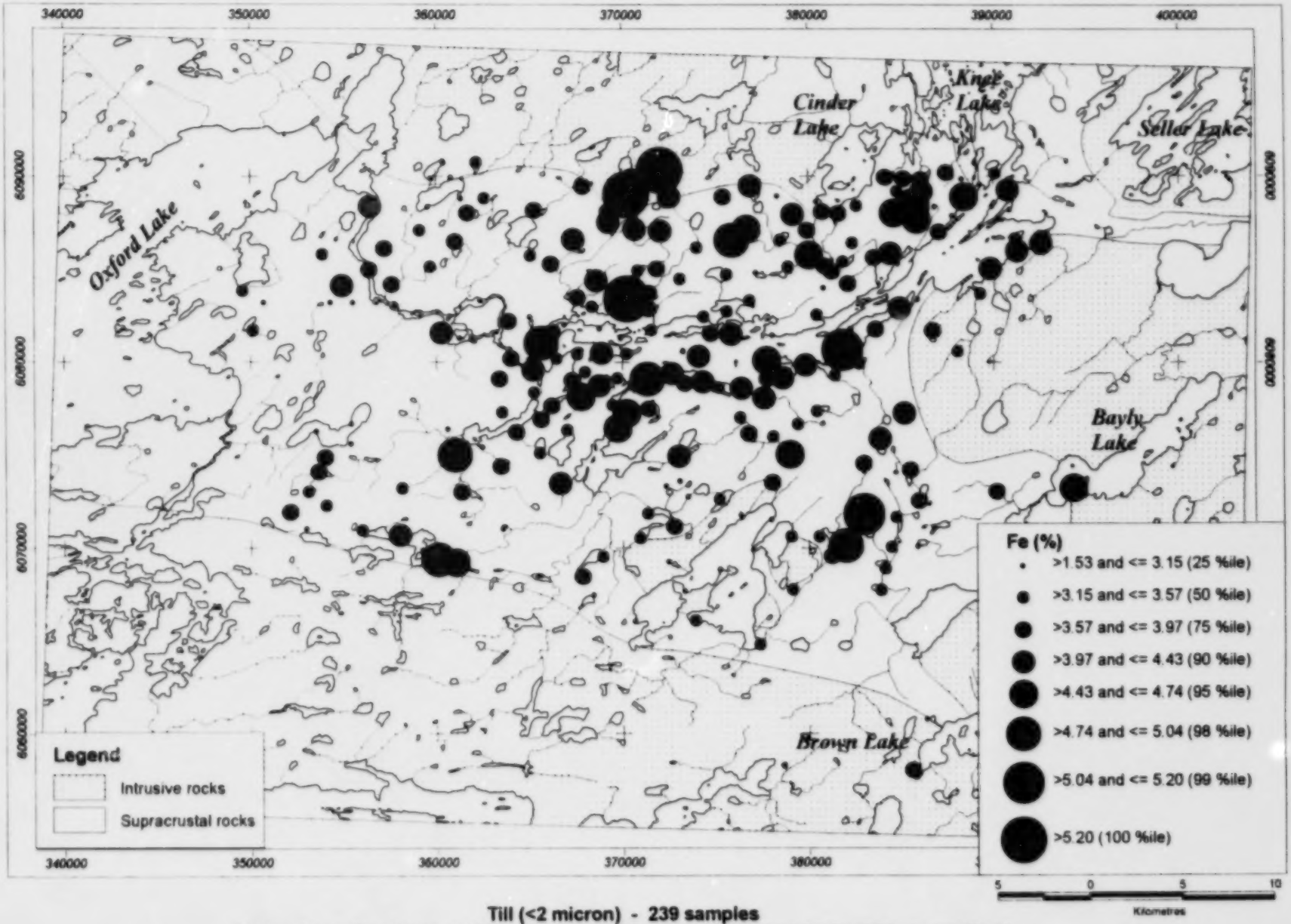
Till (<2 micron) - 239 samples
Nitric - Aqua Regia Leach / ICP-AES, Hg (cold-vapour AAS) and As (hydride generation)

Appendix T-3-8



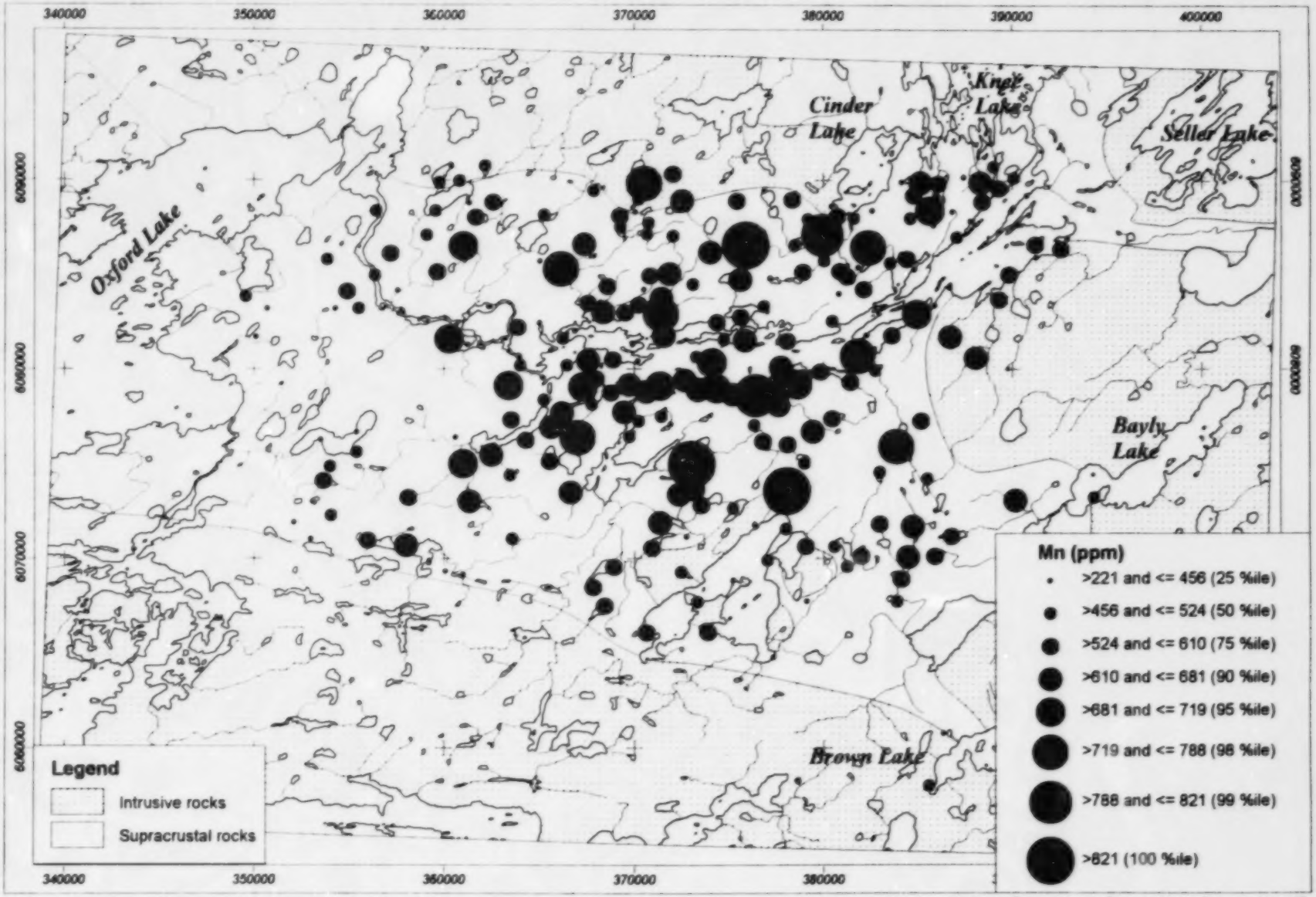
Till (<2 micron) - 239 samples
Nitric - Aqua Regia Leach / ICP-AES, Hg (cold-vapour AAS) and As (hydride generation)

Appendix T-3-9



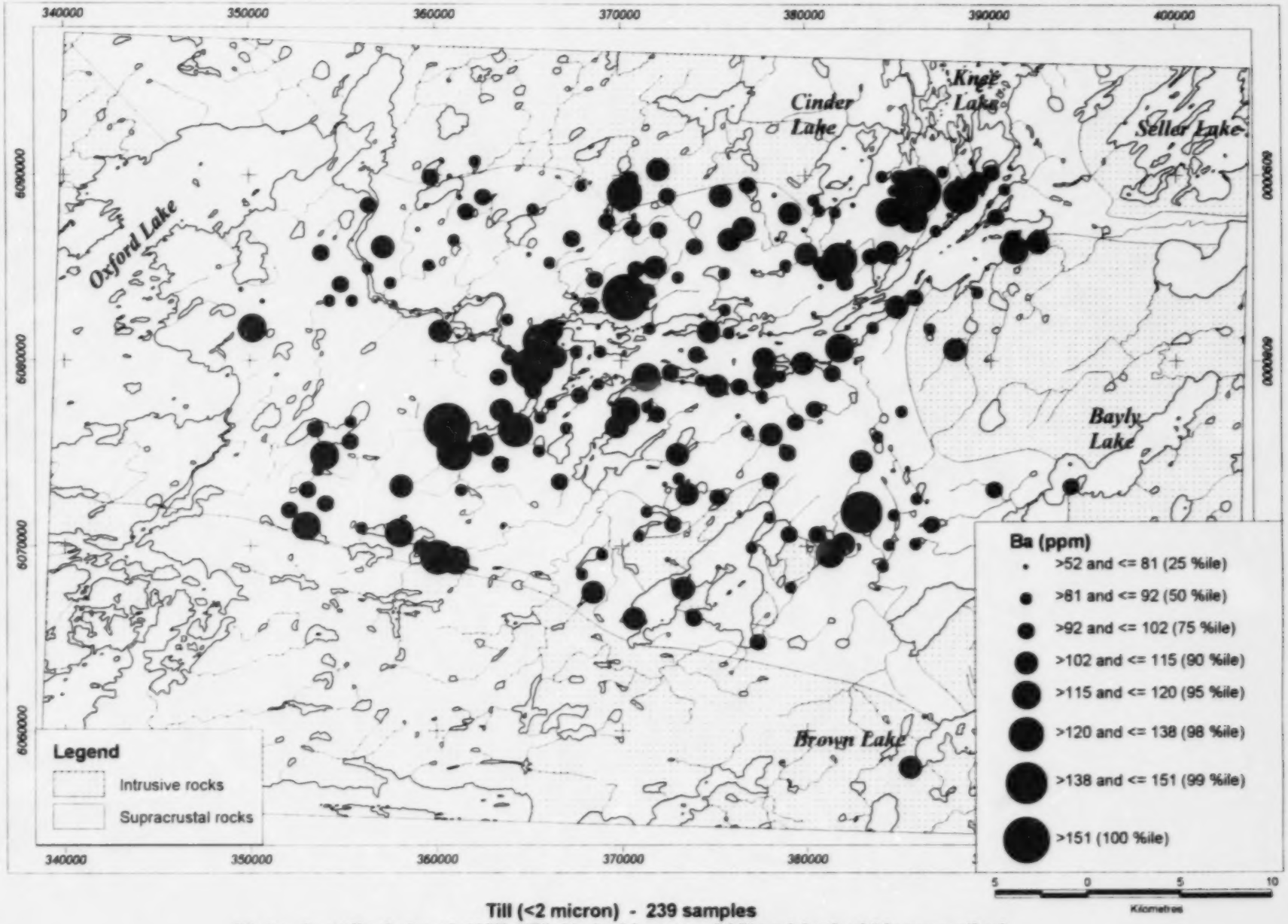
Till (<2 micron) - 239 samples
Nitric - Aqua Regia Leach / ICP-AES, Hg (cold-vapour AAS) and As (hydride generation)

Appendix T-3-10



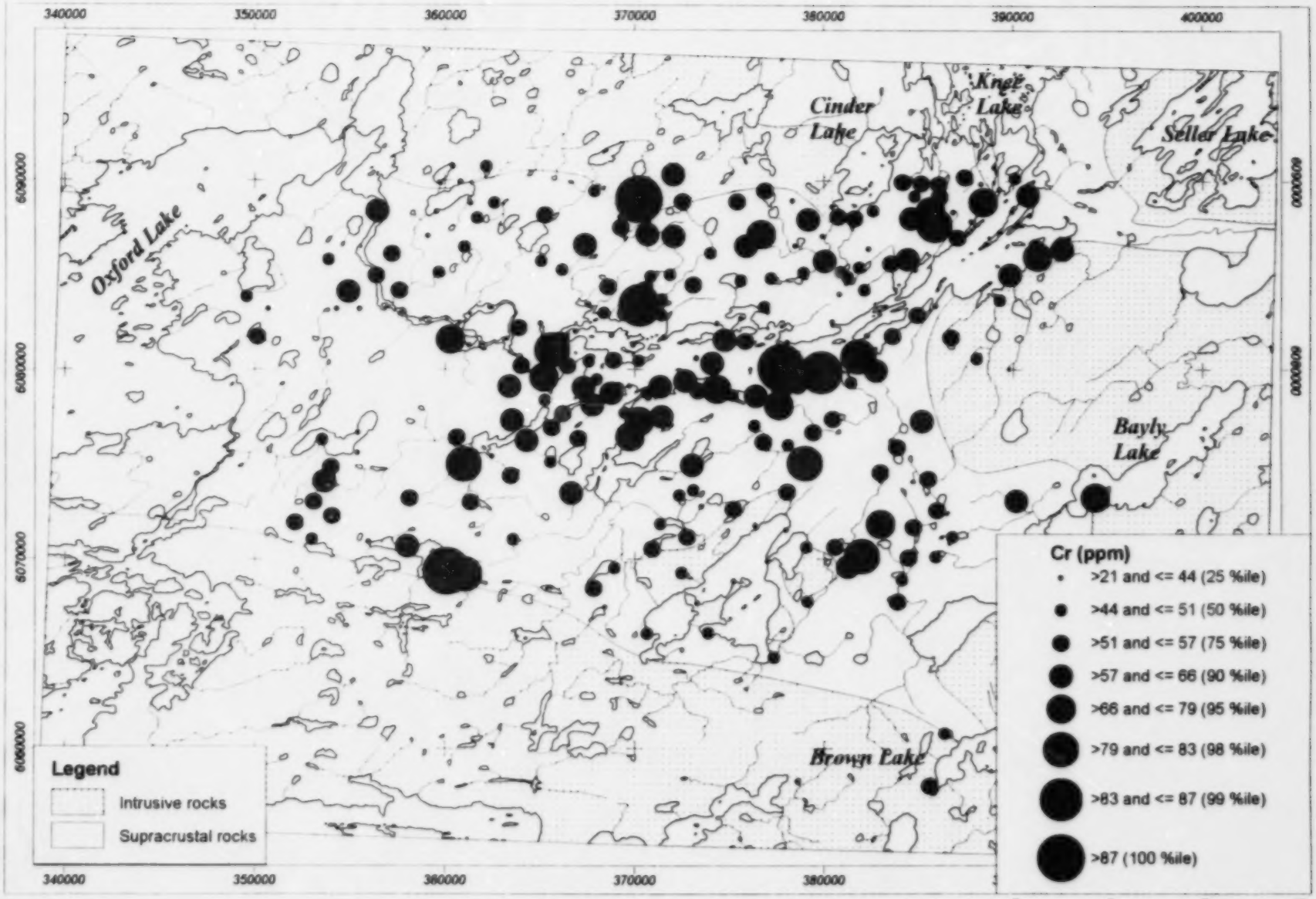
Till (<2 micron) - 239 samples
Nitric - Aqua Regia Leach / ICP-AES, Hg (cold-vapour AAS) and As (hydride generation)

Appendix T-3-11



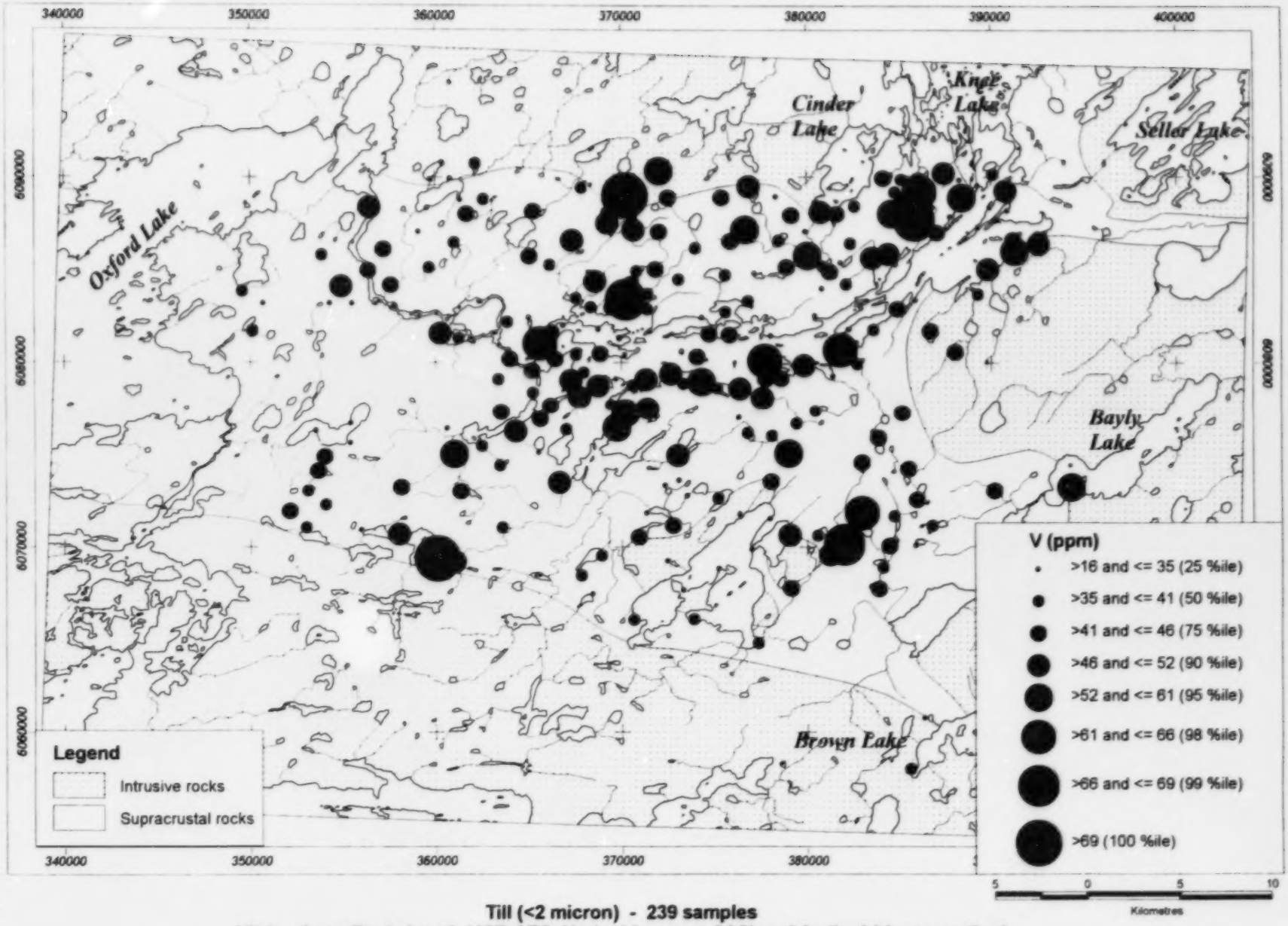
Till (<2 micron) - 239 samples
Nitric - Aqua Regia Leach / ICP-AES, Hg (cold-vapour AAS) and As (hydride generation)

Appendix T-3-12



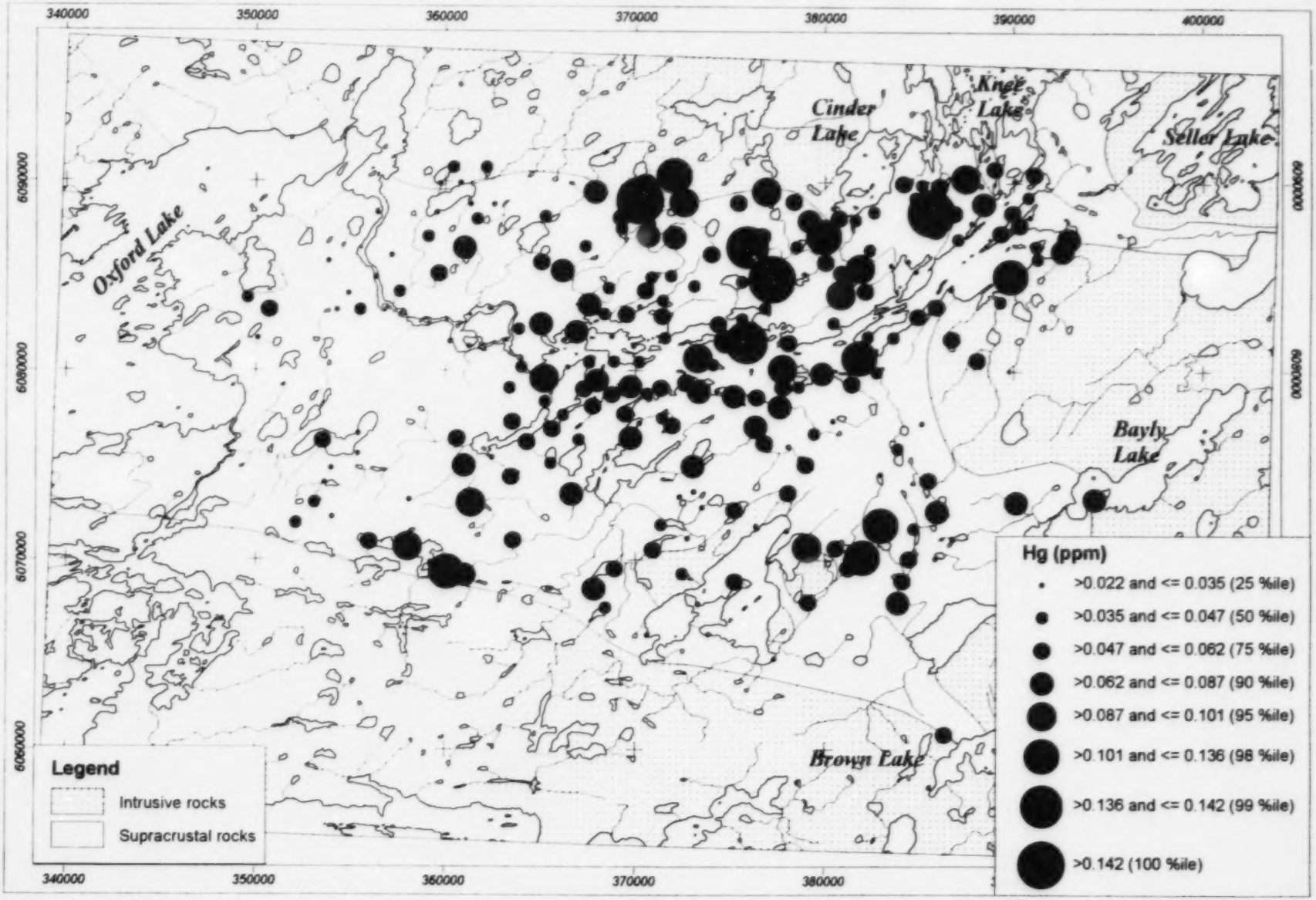
Till (<2 micron) - 239 samples
Nitric - Aqua Regia Leach / ICP-AES, Hg (cold-vapour AAS) and As (hydride generation)

Appendix T-3-13



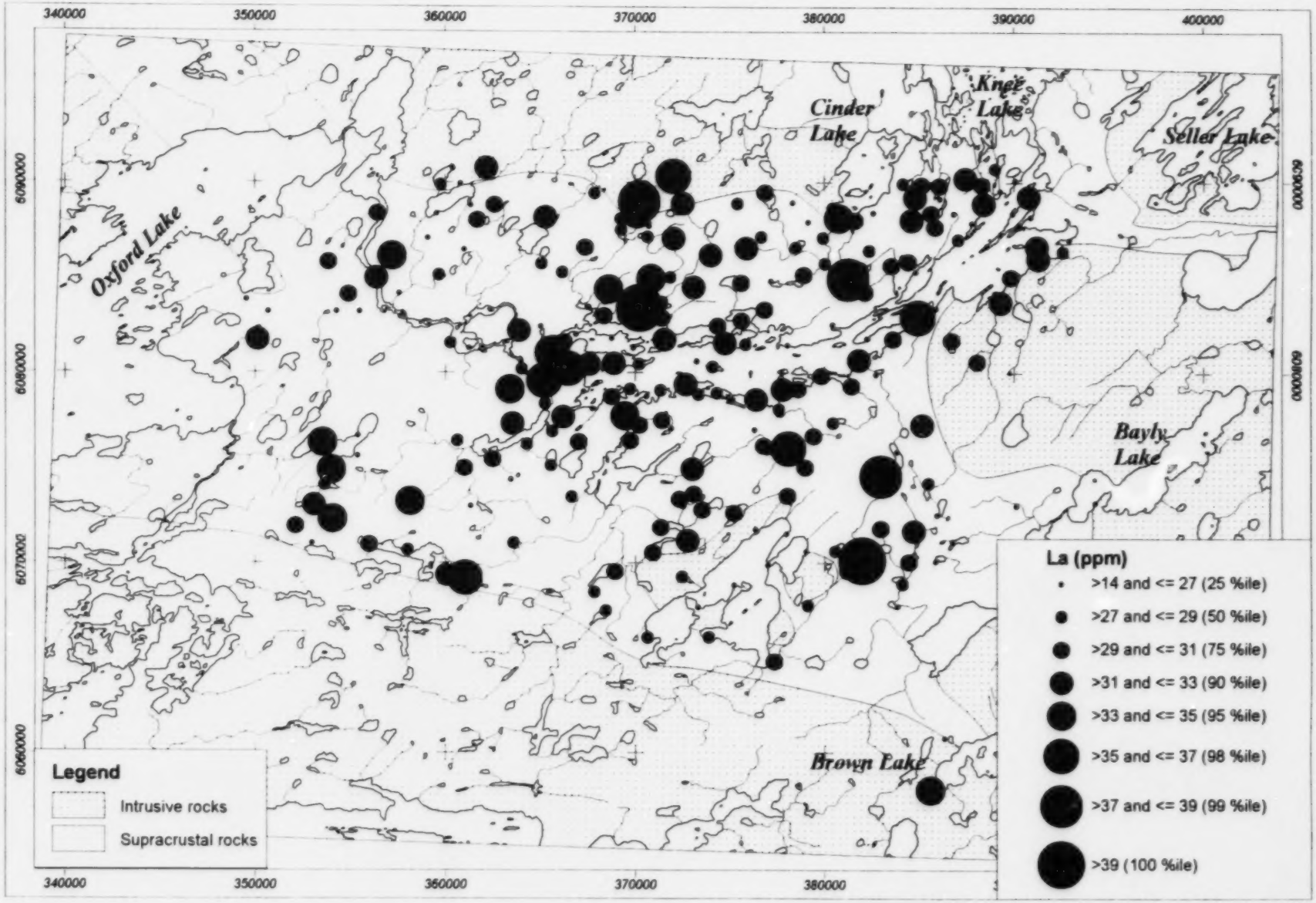
Till (<2 micron) - 239 samples
Nitric - Aqua Regia Leach / ICP-AES, Hg (cold-vapour AAS) and As (hydride generation)

Appendix T-3-14



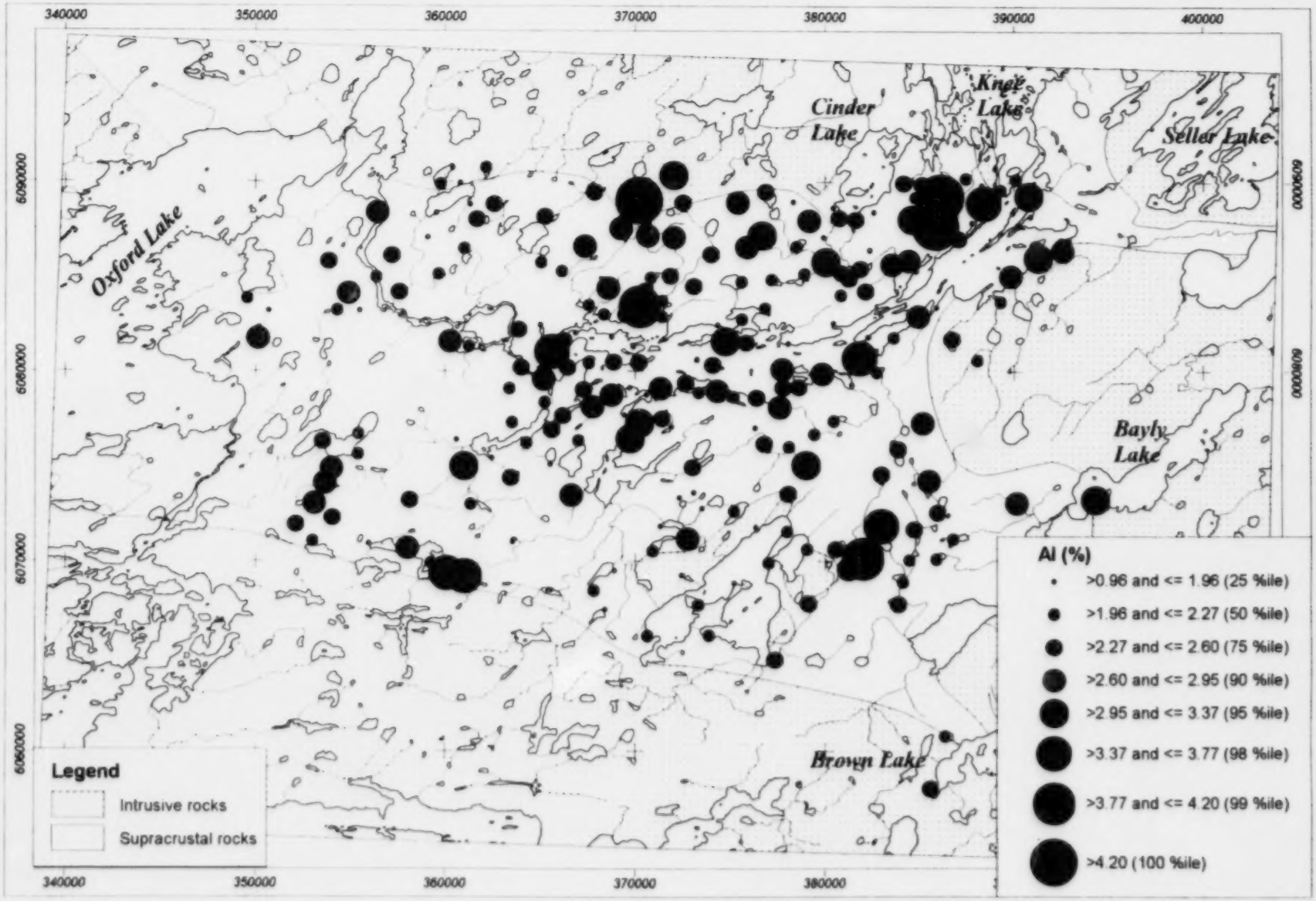
Till (<2 micron) - 239 samples
Nitric - Aqua Regia Leach / ICP-AES, Hg (cold-vapour AAS) and As (hydride generation)

Appendix T-3-15

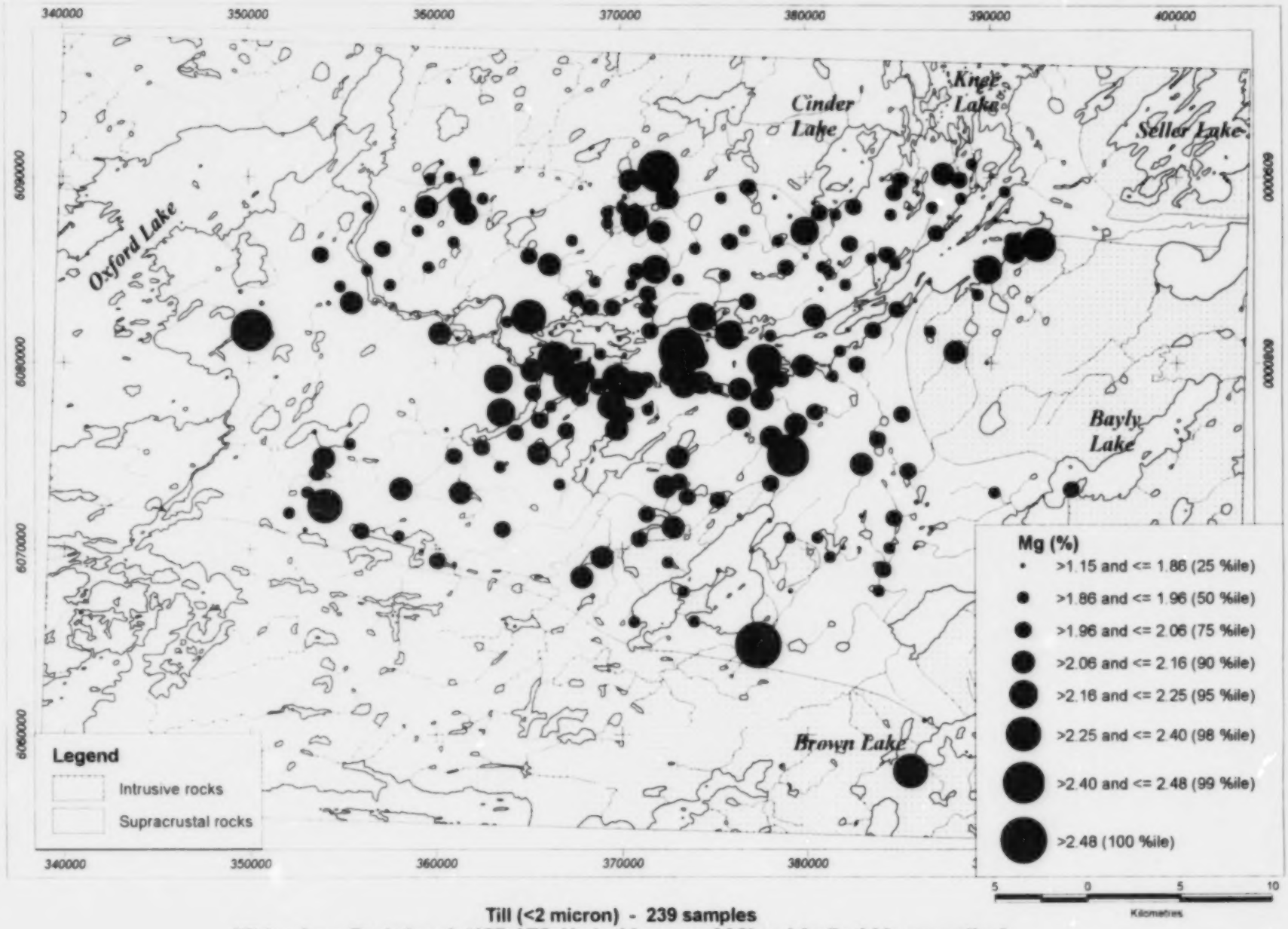


Till (<2 micron) - 239 samples
Nitric - Aqua Regia Leach / ICP-AES, Hg (cold-vapour AAS) and As (hydride generation)

Appendix T-3-16

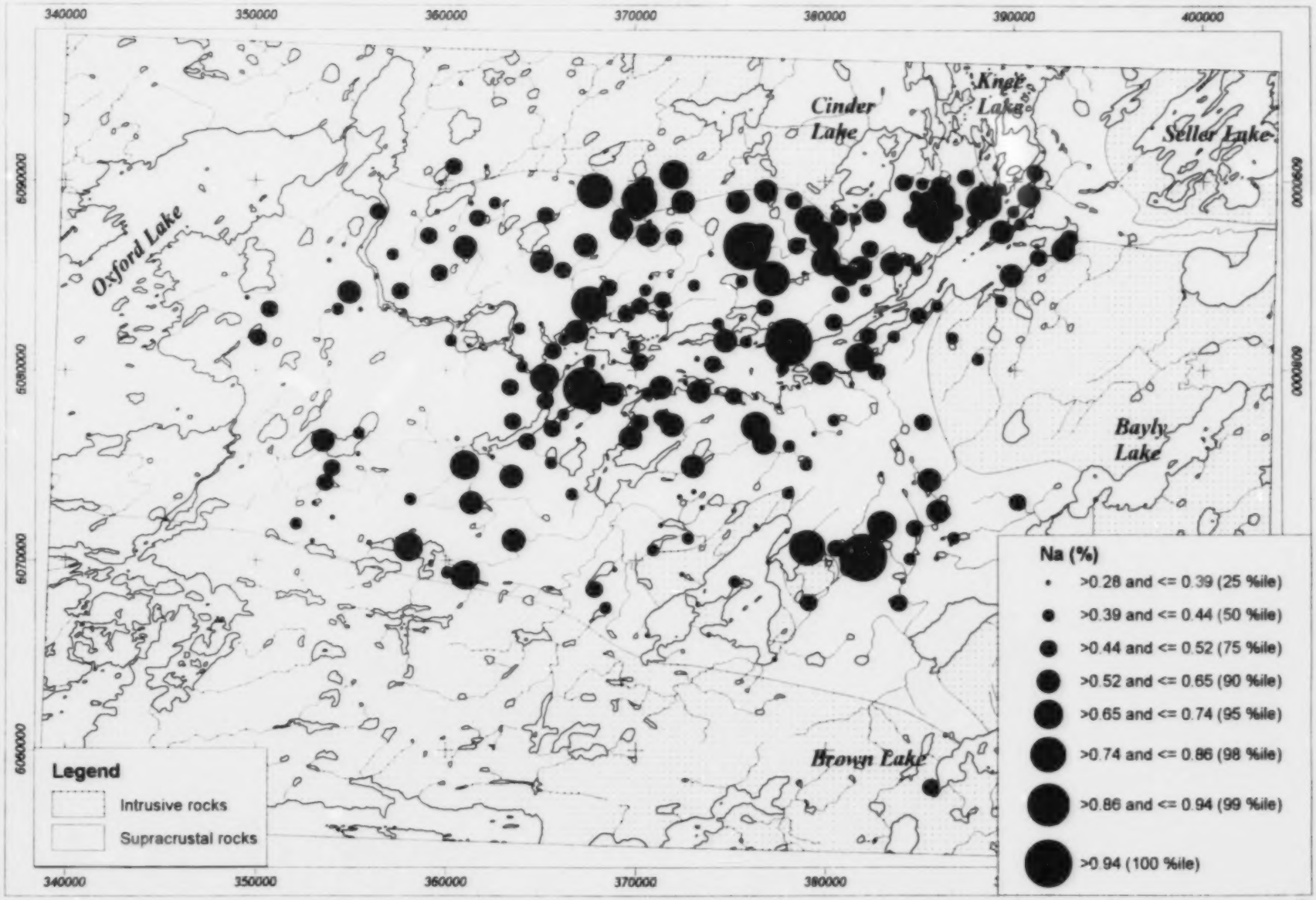


Till (<2 micron) - 239 samples
Nitric - Aqua Regia Leach / ICP-AES, Hg (cold-vapour AAS) and As (hydride generation)



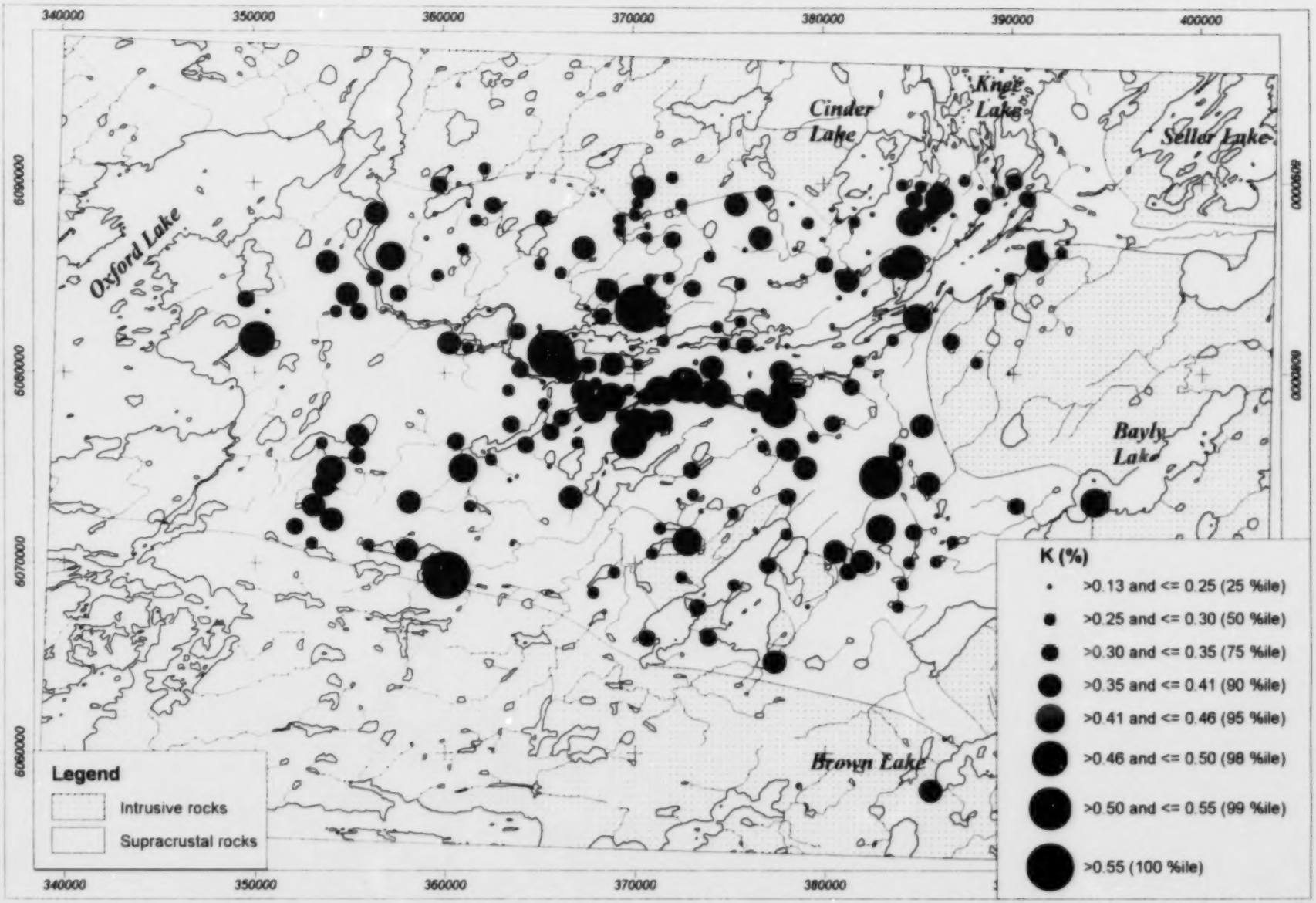
Till (<2 micron) - 239 samples
Nitric - Aqua Regia Leach / ICP-AES, Hg (cold-vapour AAS) and As (hydride generation)

Appendix T-3-18



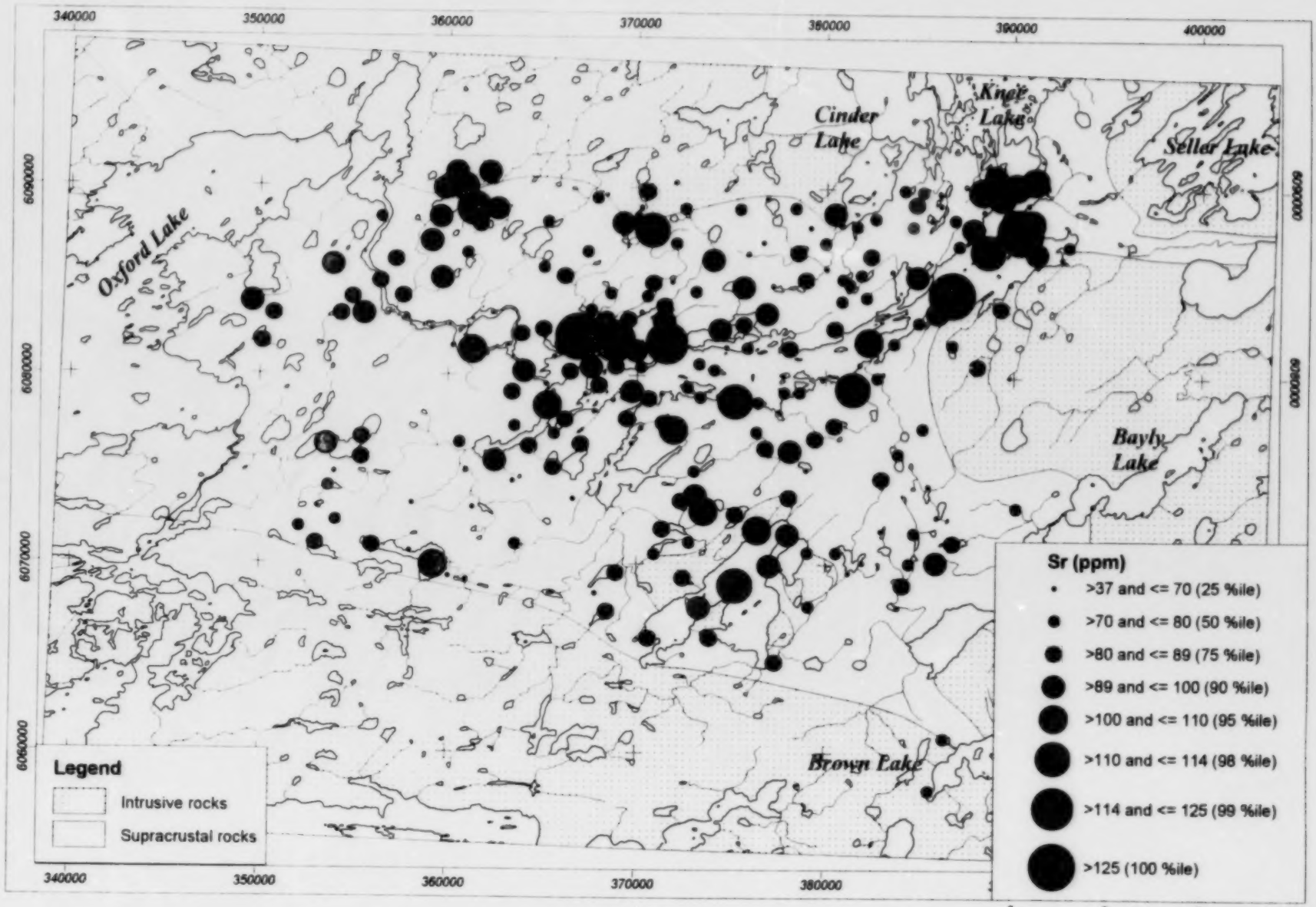
Till (<2 micron) - 239 samples
Nitric - Aqua Regia Leach / ICP-AES, Hg (cold-vapour AAS) and As (hydride generation)

Appendix T-3-19



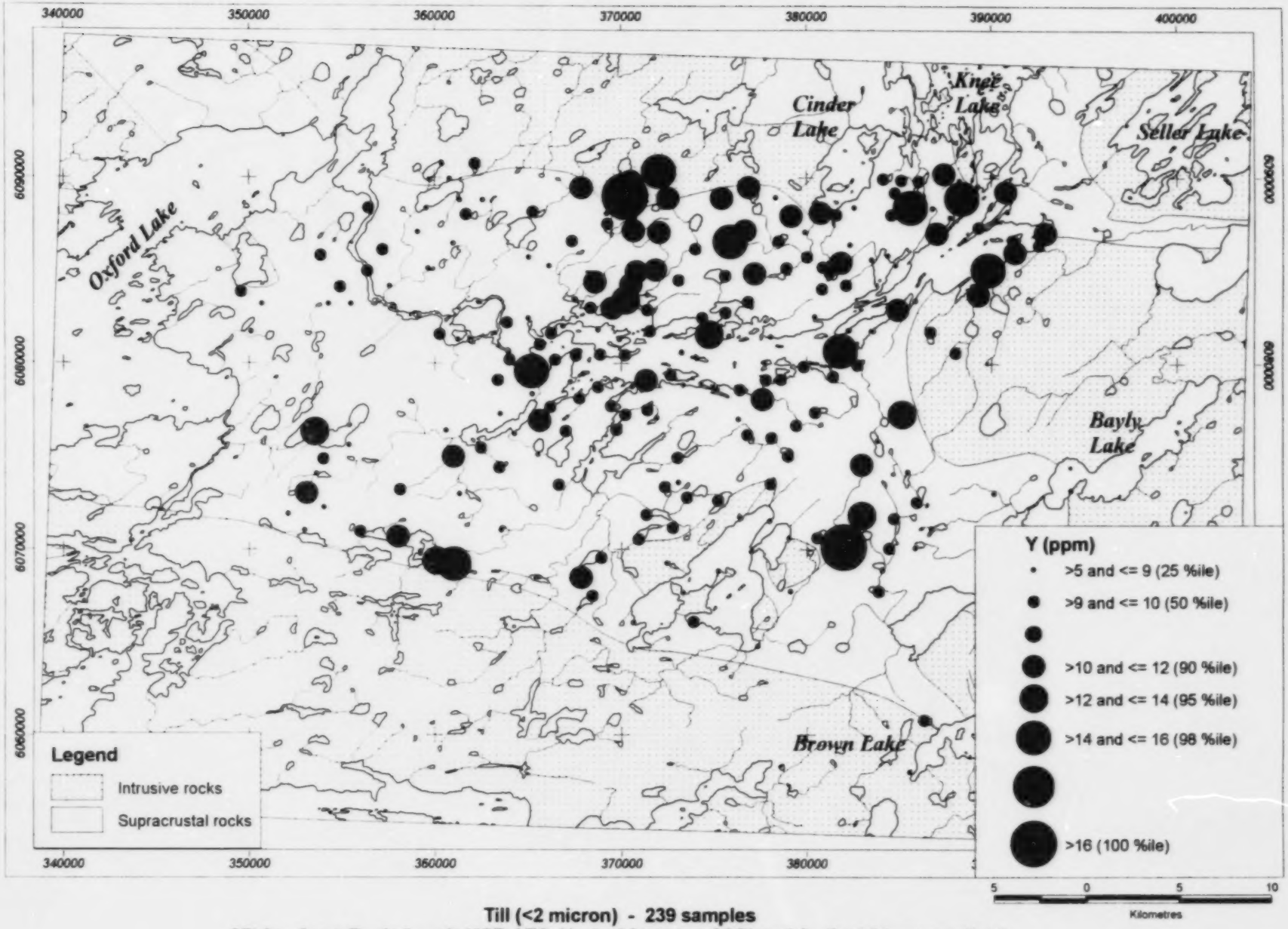
Till (<2 micron) - 239 samples
Nitric - Aqua Regia Leach / ICP-AES, Hg (cold-vapour AAS) and As (hydride generation)

Appendix T-3-20



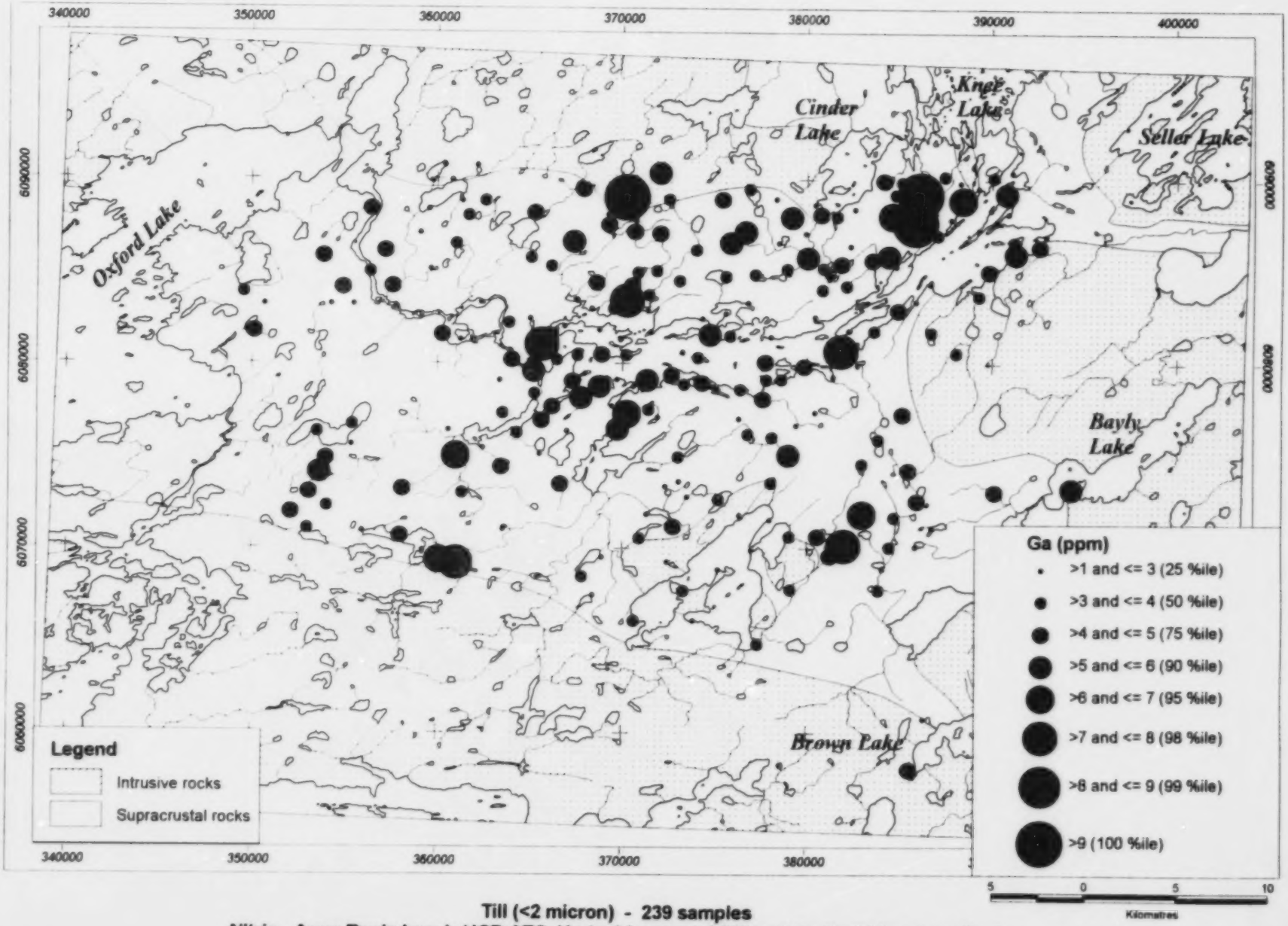
Till (<2 micron) - 239 samples
Nitric - Aqua Regia Leach / ICP-AES, Hg (cold-vapour AAS) and As (hydride generation)

Appendix T-3-21



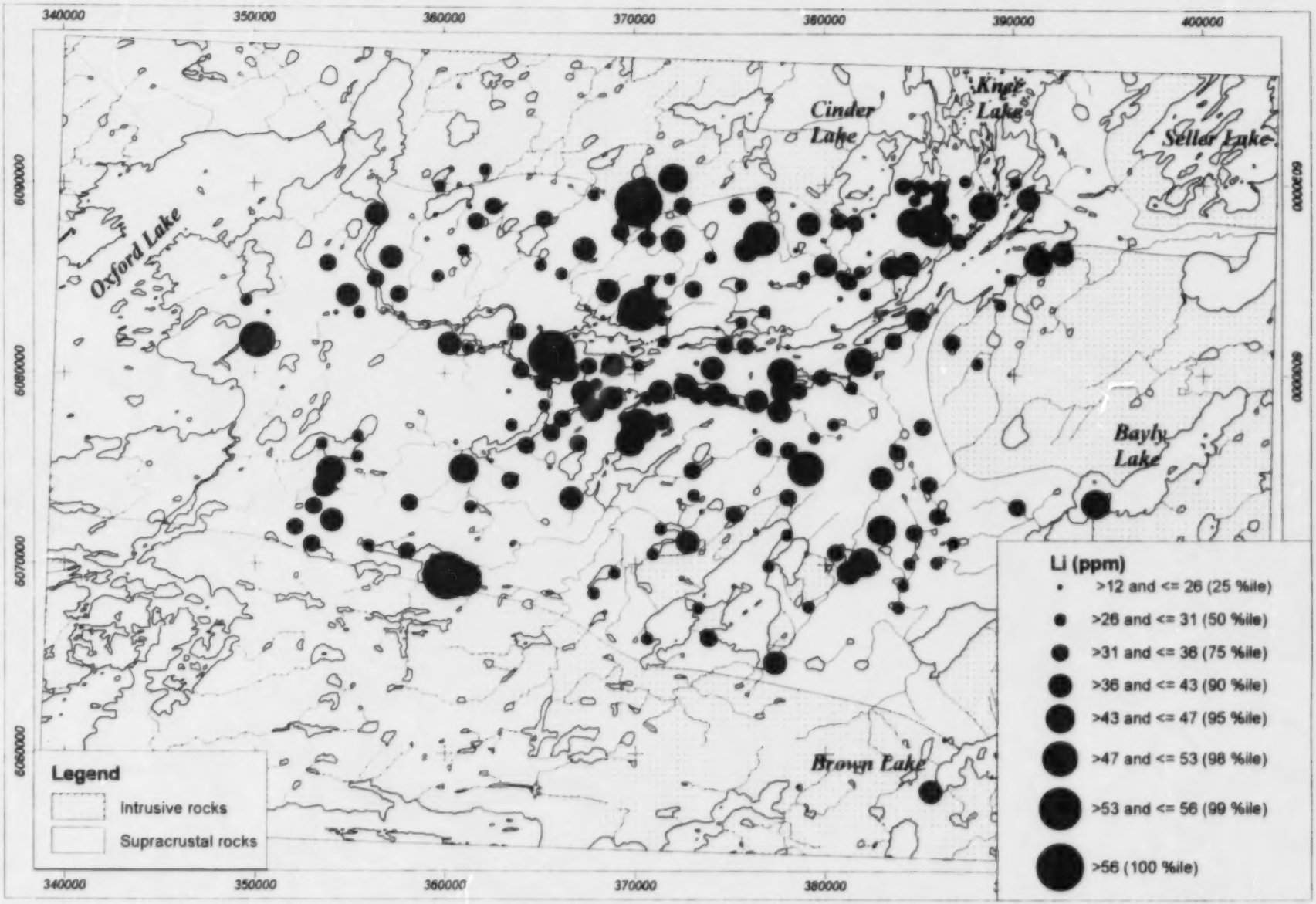
Till (<2 micron) - 239 samples
Nitric - Aqua Regia Leach / ICP-AES, Hg (cold-vapour AAS) and As (hydride generation)

Appendix T-3-22



Till (<2 micron) - 239 samples
Nitric - Aqua Regia Leach / ICP-AES, Hg (cold-vapour AAS) and As (hydride generation)

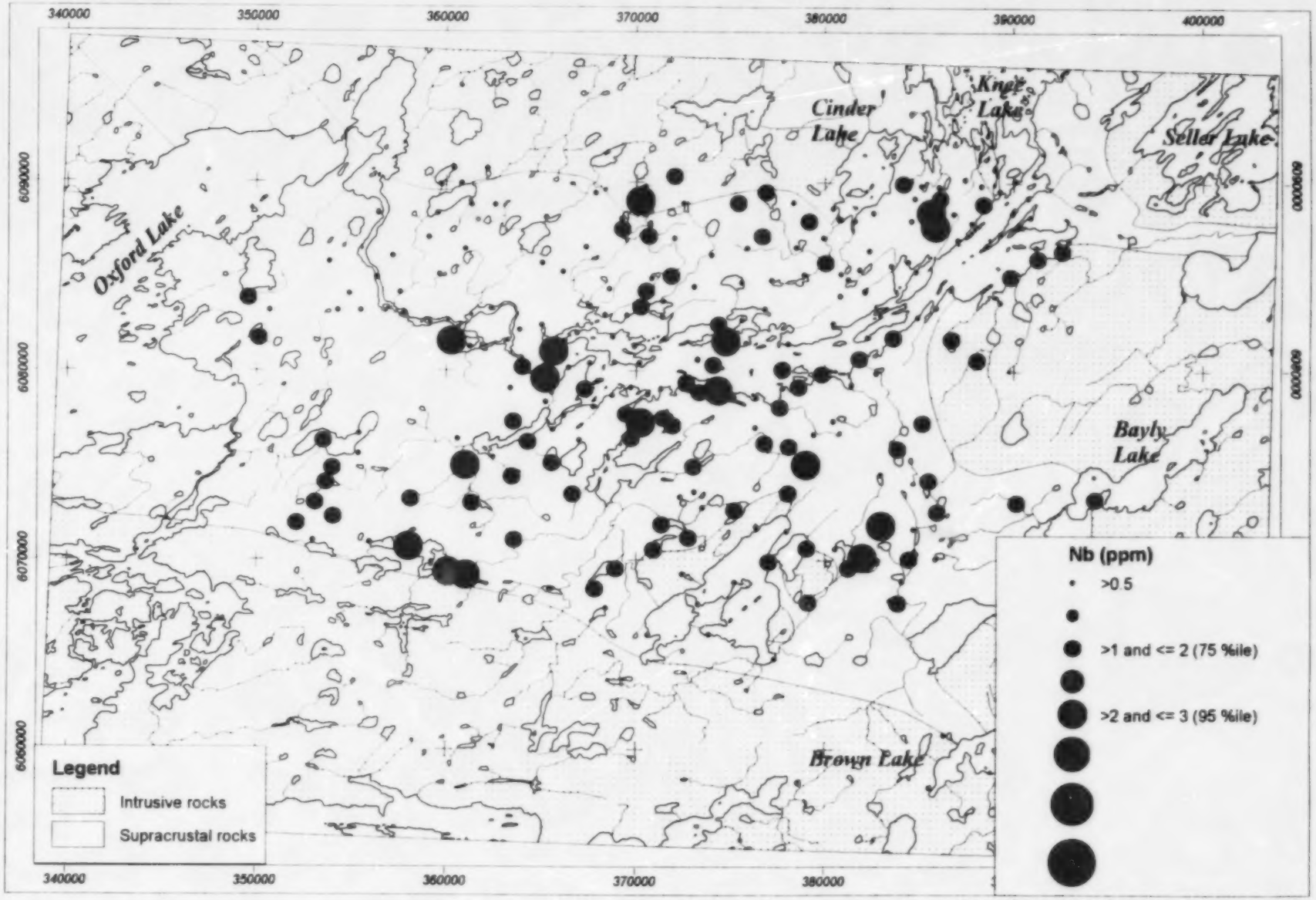
Appendix T-3-23



Till (<2 micron) - 239 samples

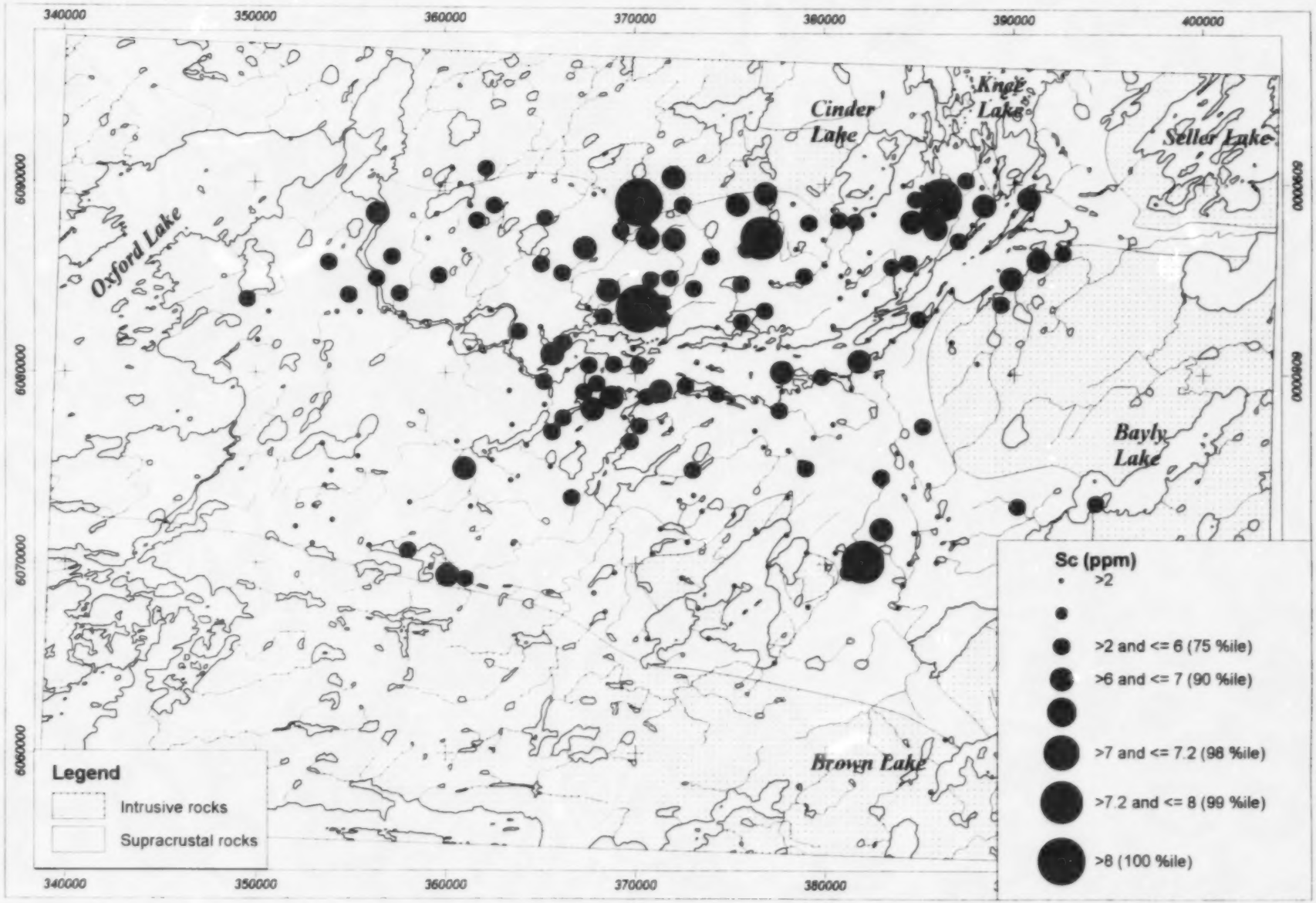
Nitric - Aqua Regia Leach / ICP-AES, Hg (cold-vapour AAS) and As (hydride generation)

Appendix T-3-24



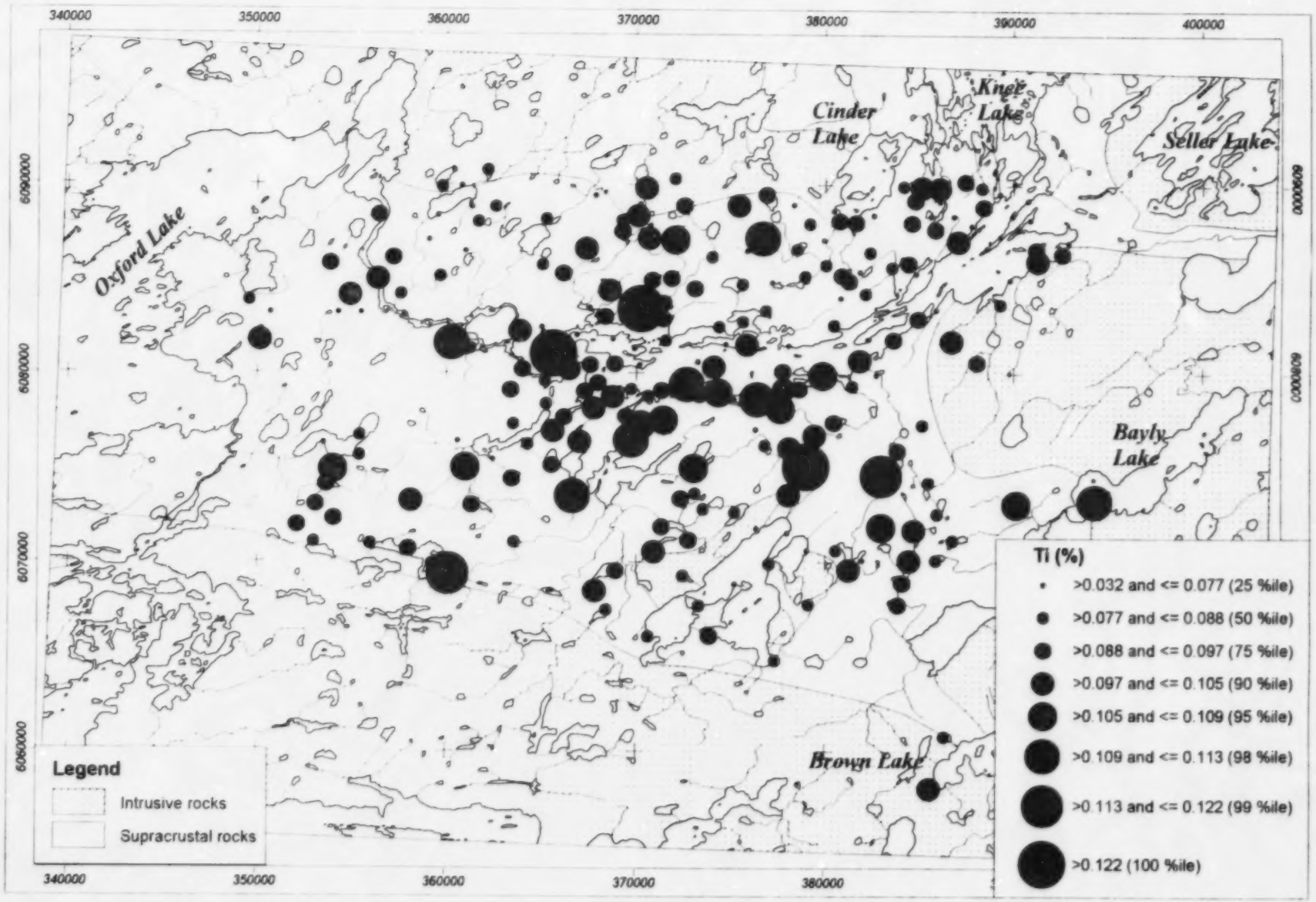
Till (<2 micron) - 239 samples
Nitric - Aqua Regia Leach / ICP-AES, Hg (cold-vapour AAS) and As (hydride generation)

Appendix T-3-25

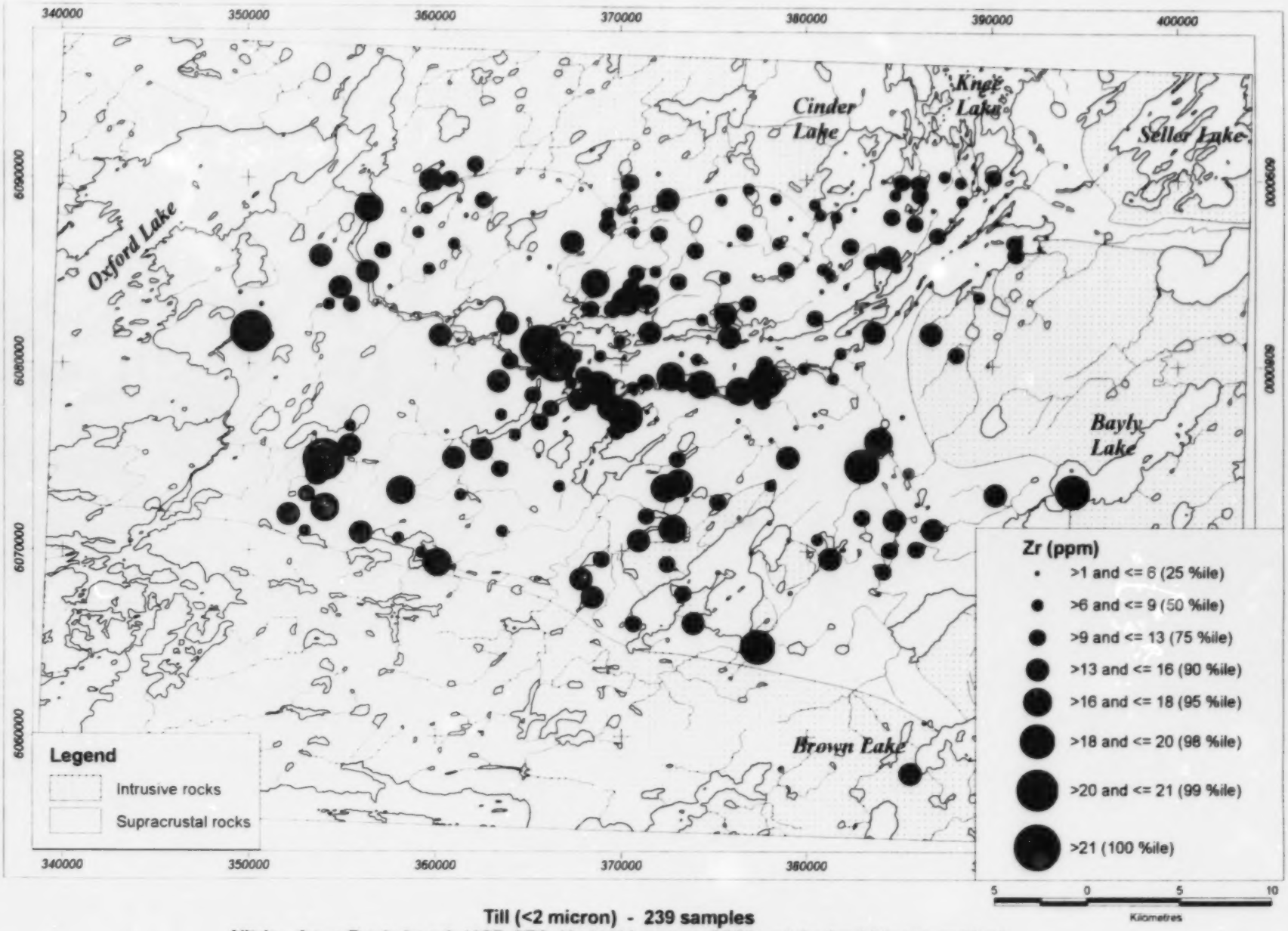


Till (<2 micron) - 239 samples
Nitric - Aqua Regia Leach / ICP-AES, Hg (cold-vapour AAS) and As (hydride generation)

Appendix T-3-26

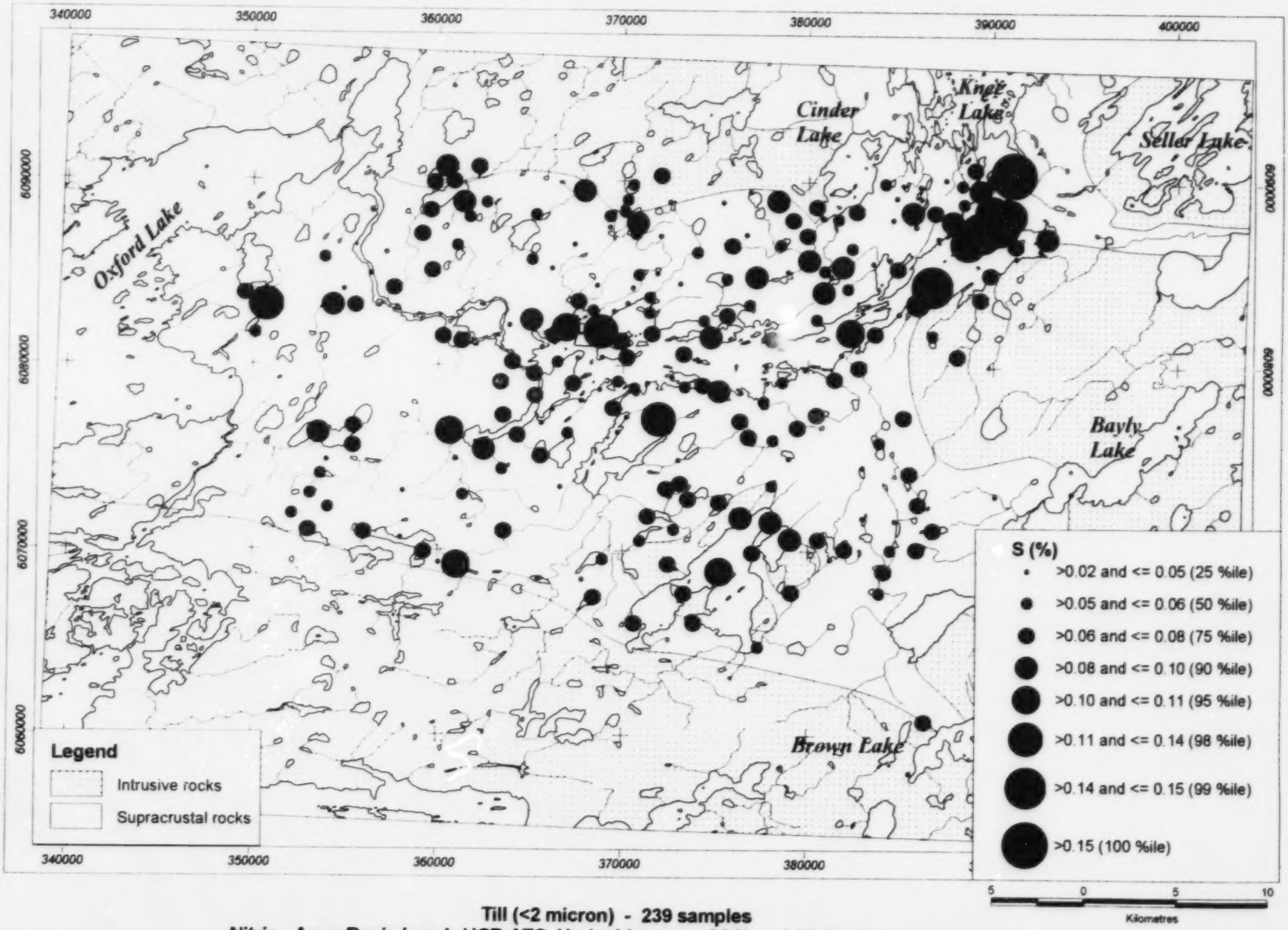


Till (<2 micron) - 239 samples
Nitric - Aqua Regia Leach / ICP-AES, Hg (cold-vapour AAS) and As (hydride generation)



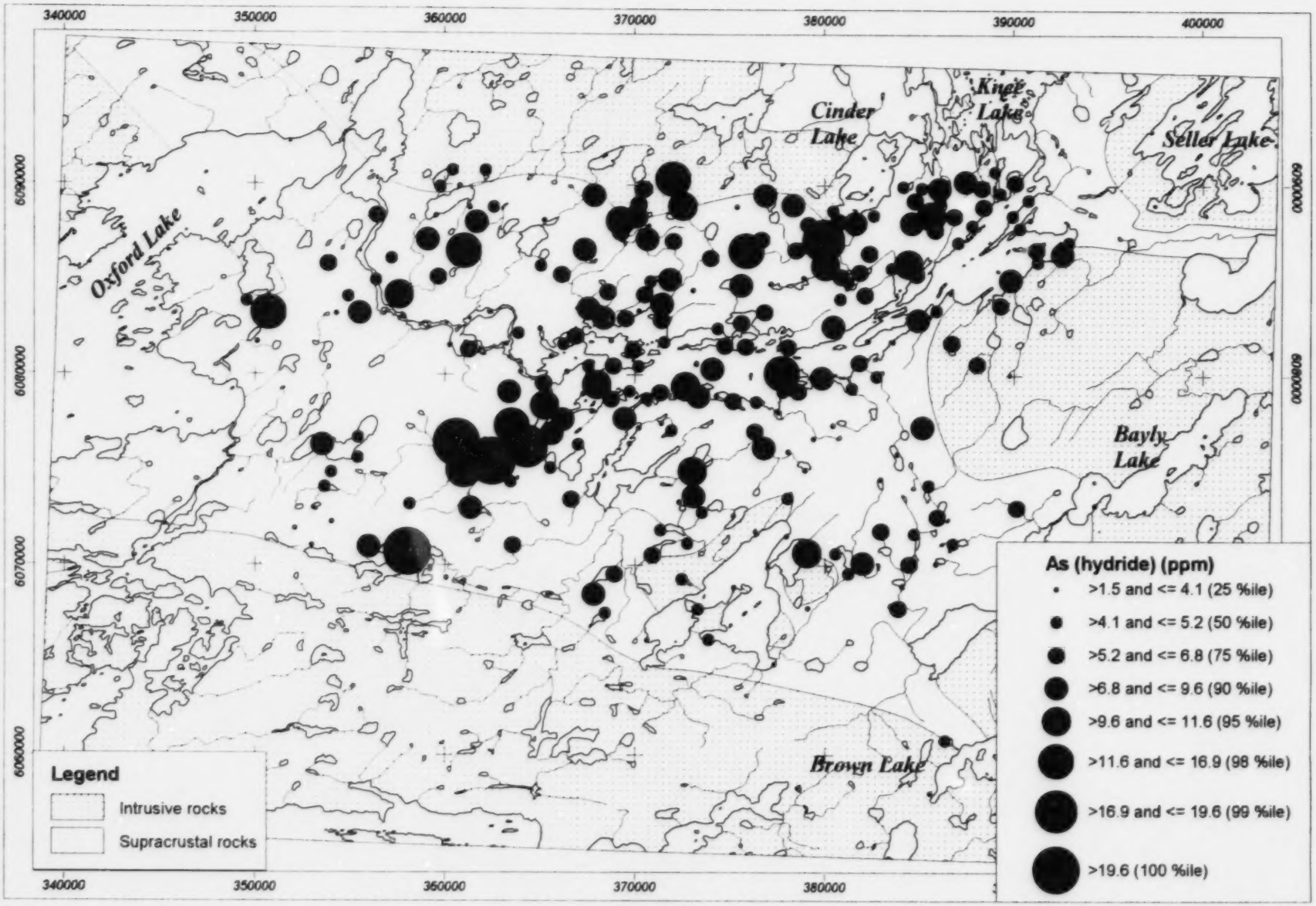
Till (<2 micron) - 239 samples
Nitric - Aqua Regia Leach / ICP-AES, Hg (cold-vapour AAS) and As (hydride generation)

Appendix T-3-28



Till (<2 micron) - 239 samples
Nitric - Aqua Regia Leach / ICP-AES, Hg (cold-vapour AAS) and As (hydride generation)

Appendix T-3-29



Till (<2 micron) - 239 samples
Nitric - Aqua Regia Leach / ICP-AES, Hg (cold-vapour AAS) and As (hydride generation)

Appendix T-3-30

INA Analyses For The <63 Micron Size Fraction Of Till Samples.

Sample Site	UTM		Au	Ag	As	Ba	Br	Ca	Co	Cr	Cs	Fe	Hf	Hg	Ir	Mo	Na	Ni	Rb
	Easting	Northing	ppb	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm
69-99T-2	379928.11	6087059.58	1	2.5	2.9	310	4.5	14	5	29	0.5	1.02	7	0.5	2.5	6.0	1.04	10.0	35
69-99T-3	380864.52	6085155.70	1	2.5	2.3	310	4.7	12	4	29	1.0	1.25	7	0.5	2.5	0.5	1.06	11.0	58
69-99T-4	385575.87	6057998.38	6	2.5	2.8	390	6.9	17	8	43	3.0	1.96	4	0.5	2.5	0.5	0.99	13.5	65
69-99T-5	386340.97	6060776.00	1	2.5	2.3	330	6.1	14	4	30	1.0	1.12	4	0.5	2.5	0.5	1.03	10.5	72
69-99T-7	380012.55	6085720.22	1	2.5	3.0	340	6.6	17	4	32	0.5	1.18	7	0.5	2.5	0.5	1.02	10.5	40
69-99T-8	381843.70	6085393.08	1	2.5	2.3	320	4.9	13	4	35	2.0	1.09	6	0.5	2.5	0.5	0.98	11.0	43
69-99T-9	381226.37	6084881.63	1	2.5	2.8	360	5.1	12	5	30	0.5	1.14	5	0.5	2.5	0.5	1.02	11.5	34
69-99T-10	380814.98	6083990.92	1	2.5	2.3	320	6.4	12	3	26	0.5	1.03	5	0.5	2.5	1.0	1.00	10.0	29
69-99T-11	382124.73	6084199.82	1	2.5	2.7	360	5.4	15	5	33	2.0	1.31	7	0.5	2.5	2.0	1.05	11.5	29
69-99T-12	384139.45	6089907.45	1	2.5	2.3	350	5.0	13	5	31	2.0	1.11	6	0.5	2.5	4.0	1.03	11.0	58
69-99T-13	385120.09	6089836.36	1	2.5	2.3	320	4.9	13	5	32	2.0	1.25	6	0.5	2.5	0.5	1.03	11.0	43
69-99T-14	386060.67	6089790.62	1	2.5	2.2	300	4.5	13	4	32	1.0	1.03	6	0.5	2.5	0.5	1.00	10.5	41
69-99T-15	385609.68	6088356.80	1	2.5	3.0	330	7.1	11	5	39	1.0	1.36	10	0.5	2.5	0.5	1.12	11.0	53
69-99T-16	386107.09	6089134.20	1	2.5	6.6	540	4.8	7	10	55	2.0	2.10	8	0.5	2.5	0.5	1.23	12.5	72
69-99T-17	386831.55	6088342.61	1	2.5	2.3	340	5.0	14	4	31	0.5	1.00	6	0.5	2.5	0.5	1.02	10.0	8
69-99T-18	384402.98	6085799.86	1	2.5	6.7	360	4.7	13	8	48	2.0	2.04	8	0.5	2.5	0.5	1.07	12.0	37
69-99T-19	383518.94	6085591.65	1	2.5	2.3	330	4.4	13	5	28	0.5	1.14	8	0.5	2.5	0.5	1.07	10.5	24
69-99T-21-1 Analytical Duplicate	384823.47	6085301.09	1	2.5	1.7	280	4.9	14	4	30	1.0	1.02	6	0.5	2.5	0.5	0.95	10.0	53
69-99T-21-2 Analytical Duplicate	384823.47	6085301.09	3	2.5	1.7	330	4.2	17	4	23	0.5	1.07	6	0.5	2.5	2.0	0.96	11.0	55
69-99T-25	390069.10	6090107.94	1	2.5	2.2	300	5.4	14	5	30	1.0	1.27	6	0.5	2.5	0.5	0.99	11.0	55
69-99T-26	389273.35	6089551.83	1	2.5	3.0	320	5.7	15	6	35	0.5	1.30	6	0.5	2.5	0.5	1.04	11.5	54
69-99T-27	388381.58	6088845.50	1	2.5	1.8	390	5.3	13	4	33	1.0	1.21	6	0.5	2.5	0.5	1.08	11.0	50
69-99T-28	391096.14	6090415.34	1	2.5	1.1	300	8.1	18	4	30	0.5	0.94	6	0.5	2.5	0.5	0.91	12.0	8
69-99T-29	390765.20	6089215.18	1	2.5	1.8	360	7.9	14	4	37	2.0	1.26	6	0.5	2.5	0.5	1.09	11.5	40
69-99T-30	389922.08	6088381.30	1	2.5	0.3	340	5.3	14	5	33	0.5	1.04	6	0.5	2.5	4.0	1.05	10.5	52
69-99T-31	387776.64	6087871.04	1	2.5	1.8	310	6.4	15	4	31	0.5	0.93	4	0.5	2.5	0.5	1.00	11.0	40
69-99T-32	389281.25	6087309.72	1	2.5	0.8	280	7.8	15	4	28	2.0	1.02	7	0.5	2.5	0.5	1.05	10.5	24
69-99T-33	387035.08	6086978.20	1	2.5	2.2	390	4.3	15	5	32	1.0	1.25	5	0.5	2.5	0.5	1.07	11.0	52
69-99T-34	388567.46	6086677.37	1	2.5	1.9	390	5.4	16	4	30	0.5	1.07	5	0.5	2.5	0.5	1.02	11.0	53
69-99T-35	390865.79	6088176.15	1	2.5	1.8	370	4.8	16	4	27	0.5	0.98	6	0.5	2.5	0.5	1.04	10.5	44
69-99T-36	390299.61	6087715.51	12	2.5	1.9	420	5.2	17	4	26	1.0	1.05	6	0.5	2.5	0.5	1.04	10.5	26
69-99T-39	392898.97	6086971.53	1	2.5	1.7	380	6.2	16	4	30	1.0	1.05	6	0.5	2.5	0.5	1.03	10.5	38
69-99T-40	392559.91	6086340.04	1	2.5	1.7	370	4.8	13	4	28	2.0	1.10	6	0.5	2.5	3.0	1.03	10.0	56
69-99T-41-1 Analytical Duplicate	391167.56	6086589.75	1	2.5	2.0	370	4.7	14	3	31	1.0	1.07	6	0.5	2.5	0.5	1.07	10.0	34
69-99T-41-2 Analytical Duplicate	391167.56	6086589.75	1	2.5	2.3	390	4.7	14	4	34	1.0	1.12	6	0.5	2.5	0.5	1.06	10.5	36
69-99T-42	391238.39	6085940.29	1	2.5	2.0	340	5.8	13	5	39	2.0	1.55	4	0.5	2.5	3.0	1.07	12.5	52
69-99T-43	389804.68	6084999.49	1	2.5	1.5	450	6.1	13	4	27	1.0	1.09	6	0.5	2.5	0.5	1.07	10.0	38
69-99T-44	389261.00	6083667.72	1	2.5	2.3	320	5.0	14	3	27	1.0	1.05	6	0.5	2.5	4.0	1.01	10.0	45
69-99T-45	386653.33	6084343.11	1	2.5	1.3	240	7.9	19	3	27	1.0	0.84	4	0.5	2.5	0.5	0.79	12.0	35
69-99T-46	385883.41	6083393.71	1	2.5	2.0	350	5.7	15	3	30	0.5	1.08	5	0.5	2.5	0.5	0.98	10.0	37
69-99T-47	384919.22	6082875.51	1	2.5	2.3	290	5.2	13	3	27	0.5	1.07	7	0.5	2.5	0.5	1.05	10.0	25
69-99T-49	388981.01	6090705.90	1	2.5	1.9	300	5.4	14	5	29	1.0	1.19	5	0.5	2.5	0.5	0.96	10.5	33

Sample Site	UTM		Au	Ag	As	Ba	Br	Ca	Co	Cr	Cs	Fe	Hf	Hg	Ir	Mo	Na	Ni	Rb
	Easting	Northing	ppb	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm
69-99T-50	387427.39	6090166.15	1	2.5	2.6	380	5.7	13	4	30	0.5	1.18	7	0.5	2.5	0.5	1.05	10.5	50
69-99T-51	385816.88	6087616.81	1	2.5	1.5	640	0.3	2	9	41	3.0	1.67	6	0.5	2.5	0.5	1.69	12.0	64
69-99T-52	382575.20	6088407.01	1	2.5	2.0	400	4.7	13	4	31	0.5	1.11	8	0.5	2.5	0.5	1.01	10.0	33
69-99T-53	381611.17	6087984.39	1	2.5	2.6	400	4.5	16	5	36	1.0	1.32	7	0.5	2.5	0.5	0.99	10.0	35
69-99T-54	380446.70	6088630.40	1	2.5	2.3	330	4.5	16	5	24	0.5	0.99	4	0.5	2.5	0.5	0.95	10.0	32
69-99T-55	384763.43	6089168.41	1	2.5	2.4	380	4.2	15	4	28	1.0	1.12	5	0.5	2.5	2.0	0.99	10.5	23
69-99T-56	384593.57	6087985.36	1	2.5	3.0	270	5.5	11	7	45	3.0	1.91	7	0.5	2.5	0.5	0.98	12.0	49
69-99T-57	380747.02	6088073.86	1	2.5	1.2	370	5.2	16	4	29	0.5	1.24	5	0.5	2.5	0.5	0.93	10.0	48
69-99T-59	376870.52	6089445.37	1	2.5	1.8	400	4.6	13	3	25	0.5	0.99	6	0.5	2.5	0.5	1.07	10.0	47
69-99T-63	371851.38	6084985.15	1	2.5	3.4	370	4.7	12	5	31	0.5	1.28	7	0.5	2.5	3.0	1.09	10.0	23
69-99T-64	370818.75	6084894.62	1	2.5	1.2	350	4.9	13	4	30	0.5	1.14	8	0.5	2.5	0.5	0.98	10.0	8
69-99T-65	371421.23	6083690.52	1	2.5	1.5	370	4.2	14	4	29	0.5	1.03	7	0.5	2.5	0.5	1.04	10.0	41
69-99T-66	370239.75	6083375.40	1	2.5	2.3	520	4.3	9	10	59	4.0	2.59	6	0.5	2.5	0.5	1.13	13.5	62
69-99T-67	369512.90	6082951.85	1	2.5	1.4	370	5.0	15	3	32	1.0	1.08	6	0.5	2.5	0.5	0.95	10.0	23
69-99T-68	378482.32	6086547.36	1	2.5	1.8	410	5.0	16	4	24	0.5	1.09	7	0.5	2.5	1.0	1.03	10.0	34
69-99T-69	378901.57	6085104.21	1	2.5	2.0	290	4.3	15	4	31	0.5	1.22	5	0.5	2.5	0.5	1.00	10.5	37
69-99T-70	377176.25	6084802.55	1	2.5	3.3	300	4.9	14	4	22	0.5	0.89	5	0.5	2.5	2.0	0.98	10.0	35
69-99T-71	375594.28	6084702.04	1	2.5	2.7	380	5.0	15	4	27	1.0	1.09	6	0.5	2.5	0.5	1.02	10.0	44
69-99T-73-1 Analytical Duplicate	370656.16	6087109.32	1	2.5	2.7	470	5.9	15	5	39	1.0	1.45	7	0.5	2.5	0.5	1.11	10.0	58
69-99T-73-2 Analytical Duplicate	370656.16	6087109.32	1	2.5	2.0	370	5.6	15	5	34	0.5	1.18	7	0.5	2.5	2.0	1.11	10.0	38
69-99T-74	368347.58	6082970.14	1	2.5	2.3	400	4.9	17	5	30	0.5	1.16	6	0.5	2.5	0.5	1.09	10.0	47
69-99T-75	367566.14	6083452.59	1	2.5	2.8	330	4.7	17	4	27	0.5	1.02	7	0.5	2.5	0.5	1.08	10.0	39
69-99T-76	366875.73	6082011.38	1	2.5	1.2	380	5.1	15	4	35	0.5	1.18	10	0.5	2.5	0.5	1.12	10.0	54
69-99T-77	366237.10	6081599.59	1	2.5	2.0	400	5.0	15	4	34	2.0	1.07	7	0.5	2.5	0.5	1.05	10.0	50
69-99T-78	368777.48	6081793.37	18	2.5	2.6	290	7.9	18	5	32	1.0	1.08	6	0.5	2.5	0.5	0.93	10.0	35
69-99T-79	369918.79	6081283.90	1	2.5	1.5	330	4.8	16	3	27	0.5	0.95	6	0.5	2.5	2.0	1.03	10.0	31
69-99T-80	371536.33	6081711.47	1	2.5	2.5	440	5.0	17	4	30	2.0	1.15	6	0.5	2.5	2.0	1.06	10.0	39
69-99T-81	370746.10	6087688.00	1	2.5	2.2	440	6.1	14	5	30	1.0	1.08	7	0.5	2.5	2.0	1.15	10.0	44
69-99T-82-1 Analytical Duplicate	372516.50	6088851.06	1	2.5	2.8	420	4.3	14	4	32	1.0	1.06	7	0.5	2.5	0.5	1.14	10.0	29
69-99T-82-2 Analytical Duplicate	372516.50	6088851.06	1	2.5	2.9	410	4.4	14	4	29	1.0	1.07	7	0.5	2.5	0.5	1.09	10.0	58
69-99T-83	372026.99	6090288.56	1	2.5	2.4	320	6.8	13	4	32	1.0	1.18	8	0.5	2.5	0.5	1.15	10.0	41
69-99T-84	370517.90	6089778.24	1	2.5	2.0	470	3.8	14	4	36	2.0	1.20	7	0.5	2.5	0.5	1.12	10.0	60
69-99T-85	370224.45	6088963.94	1	2.5	2.8	390	4.7	11	4	35	0.5	1.18	8	0.5	2.5	0.5	1.28	10.0	67
69-99T-86	370086.72	6088310.03	1	2.5	3.9	350	5.4	15	4	27	1.0	1.05	6	0.5	2.5	0.5	1.10	10.0	42
69-99T-89	359762.87	6089860.45	2	2.5	3.4	420	4.4	15	7	38	0.5	1.35	6	0.5	2.5	0.5	1.03	10.0	45
69-99T-90	360419.16	6090713.89	1	2.5	2.5	360	5.6	14	4	28	0.5	0.96	7	0.5	2.5	0.5	1.08	10.0	48
69-99T-91	367854.62	6089411.77	1	2.5	2.0	380	5.4	14	4	28	0.5	1.00	8	0.5	2.5	0.5	1.13	10.0	30
69-99T-93	360817.18	6089935.46	1	2.5	2.7	410	4.9	15	5	34	0.5	1.24	7	0.5	2.5	0.5	1.03	10.0	36
69-99T-94	361334.61	6088793.40	1	2.5	3.5	420	6.5	14	6	59	1.0	1.38	7	0.5	2.5	0.5	1.08	10.0	53
69-99T-95	359548.28	6088342.12	1	2.5	2.4	390	5.4	17	5	30	1.0	1.18	7	0.5	2.5	0.5	1.08	10.0	47
69-99T-97	361670.11	6088011.47	1	2.5	3.3	410	5.5	17	5	36	1.0	1.28	7	0.5	2.5	0.5	1.03	10.0	44
69-99T-98	360997.64	6086474.25	1	2.5	3.9	330	5.2	16	5	36	2.0	1.24	9	0.5	2.5	0.5	1.05	10.0	42
69-99T-102	365042.73	6085719.91	1	2.5	1.9	370	5.4	14	4	35	0.5	1.24	10	0.5	2.5	3.0	1.10	10.0	32
69-99T-104	365252.32	6088140.42	1	2.5	1.8	370	5.4	16	7	55	2.0	1.40	9	0.5	2.5	0.5	1.07	10.0	41
69-99T-105	369243.39	6088065.28	1	2.5	2.5	380	4.8	16	5	30	0.5	1.11	8	0.5	2.5	0.5	1.10	10.0	45
69-99T-106	369259.00	6087478.80	1	2.5	2.1	460	5.3	15	4	33	0.5	1.21	9	0.5	2.5	0.5	1.11	10.0	27
69-99T-107	367342.33	6086563.25	1	2.5	2.2	380	4.6	14	3	33	0.5	1.02	8	0.5	2.5	2.0	1.17	10.0	42
69-99T-108	366150.70	6085252.06	1	2.5	2.3	370	5.2	15	4	30	1.0	1.08	7	0.5	2.5	2.0	1.12	10.0	48
69-99T-109	368585.13	6084340.09	1	2.5	2.1	360	5.5	16	4	31	1.0	1.12	8	0.5	2.5	0.5	1.02	10.0	35

Sample Site	UTM		Au	Ag	As	Ba	Br	Ca	Co	Cr	Cs	Fe	Hf	Hg	Ir	Mo	Na	Ni	Rb
	Easting	Northing	ppb	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm
69-99T-111	371414.93	6082844.68	1	2.5	1.5	370	4.6	15	4	31	1.0	1.01	6	0.5	2.5	0.5	1.02	10.0	33
69-99T-113	374372.83	6082434.83	1	2.5	2.2	390	4.3	17	4	29	1.0	1.02	6	0.5	2.5	0.5	1.00	10.0	41
69-99T-114	375612.85	6082701.79	1	2.5	1.8	370	5.0	16	3	32	0.5	1.06	7	0.5	2.5	1.0	1.02	10.0	43
69-99T-115	376837.58	6083283.99	1	2.5	2.4	400	5.0	15	4	30	0.5	1.10	8	0.5	2.5	0.5	1.08	96.0	38
69-99T-118	380435.24	6082526.84	1	2.5	2.5	400	4.8	15	4	28	0.5	1.05	7	0.5	2.5	0.5	1.05	10.0	43
69-99T-121	356420.52	6088346.81	1	2.5	3.4	350	4.9	17	7	41	2.0	1.65	5	0.5	2.5	0.5	0.95	10.0	64
69-99T-123	357174.69	6086097.90	1	2.5	2.8	370	4.2	16	6	29	2.0	1.37	7	0.5	2.5	0.5	1.00	10.0	36
69-99T-124-1 Analytical Duplicate	362147.22	6090729.66	1	2.5	2.4	390	5.4	16	6	35	1.0	1.34	6	0.5	2.5	0.5	0.98	10.0	56
69-99T-124-2 Analytical Duplicate	362147.22	6090729.66	1	2.5	2.5	420	5.6	17	6	36	1.0	1.37	6	0.5	2.5	0.5	1.00	10.0	52
69-99T-125	362574.30	6088793.60	3	2.5	3.1	440	5.5	16	6	40	1.0	1.50	6	0.5	2.5	2.0	0.93	10.0	45
69-99T-126	359632.73	6085112.70	1	2.5	3.0	330	4.9	15	4	32	1.0	1.11	7	0.5	2.5	2.0	0.97	10.0	62
69-99T-127	359088.91	6087067.02	1	2.5	1.8	390	4.2	15	4	28	1.0	1.09	8	0.5	2.5	0.5	1.02	10.0	53
69-99T-131	356359.18	6084946.56	1	2.5	2.3	460	5.3	17	5	38	2.0	1.52	5	0.5	2.5	0.5	0.98	10.0	55
69-99T-134	353845.36	6085793.03	1	2.5	3.5	280	5.4	15	6	40	2.0	1.53	7	0.5	2.5	2.0	1.01	10.0	58
69-99T-135	354883.31	6084079.64	1	2.5	4.2	490	5.0	16	6	59	2.0	1.57	6	0.5	2.5	2.0	0.98	10.0	60
69-99T-136	349567.90	6083833.12	1	2.5	2.2	360	5.8	15	6	39	2.0	1.43	6	0.5	2.5	0.5	1.04	10.0	50
69-99T-139	357564.78	6084160.24	1	2.5	4.6	400	6.9	19	7	35	2.0	1.55	5	0.5	2.5	0.5	0.90	10.0	46
69-99T-140	363864.01	6082169.82	1	2.5	0.3	390	5.9	16	5	34	1.0	1.30	5	0.5	2.5	2.0	0.99	86.0	44
69-99T-142	361255.11	6081288.51	1	2.5	2.9	430	4.8	18	6	37	1.0	1.28	8	0.5	2.5	2.0	0.98	10.0	52
69-99T-145-1 Analytical Duplicate	365012.13	6082425.90	1	2.5	0.8	380	5.2	16	4	28	0.5	0.89	6	0.5	2.5	1.0	1.05	10.0	49
69-99T-145-2 Analytical Duplicate	365012.13	6082425.90	1	2.5	0.9	360	5.0	16	3	30	0.5	0.85	6	0.5	2.5	1.0	1.01	10.0	33
69-99T-146	388300.25	6089844.48	1	2.5	2.0	440	4.5	17	5	30	0.5	1.13	6	0.5	2.5	0.5	1.05	10.0	36
69-99T-147	382347.59	6086399.71	1	2.5	2.3	340	4.8	16	3	31	0.5	0.99	7	0.5	2.5	4.0	0.97	10.0	40
69-99T-148	373091.61	6084449.15	1	2.5	2.3	460	5.1	15	5	35	1.0	1.40	5	0.5	2.5	3.0	0.93	10.0	45
69-99T-149	370525.75	6084197.53	6	2.5	2.6	380	5.9	16	5	35	2.0	1.30	6	0.5	2.5	4.0	1.04	10.0	52
69-99T-150	378340.48	6088920.71	27	2.5	1.2	310	5.7	17	4	35	0.5	1.13	10	0.5	2.5	0.5	1.09	10.0	30
69-99T-151	379171.14	6087918.37	1	2.5	1.8	380	6.2	17	3	32	1.0	1.12	6	0.5	2.5	0.5	1.03	10.0	48
69-99T-152	375414.93	6088856.96	1	2.5	2.5	440	4.2	15	4	38	2.0	1.27	7	0.5	2.5	0.5	1.05	10.0	63
69-99T-154	376668.36	6087121.26	1	2.5	2.4	480	5.9	16	4	33	1.0	1.30	7	0.5	2.5	0.5	1.05	10.0	48
69-99T-155	375877.60	6086516.58	1	2.5	2.4	360	4.8	11	5	37	0.5	1.26	11	0.5	2.5	0.5	1.15	10.0	41
69-99T-156	373995.52	6086125.05	1	2.5	1.8	310	5.1	12	5	30	2.0	1.19	6	0.5	2.5	0.5	1.03	10.0	47
69-99T-157	372027.71	6087027.04	11	2.5	2.6	370	7.1	12	5	31	2.0	1.23	6	0.5	2.5	0.5	1.08	10.0	23
69-99T-201	371334.99	6079065.23	1	2.5	2.1	380	3.9	13	4	32	0.5	1.46	6	0.5	2.5	0.5	1.07	10.0	48
69-99T-202	370612.18	6078749.88	1	2.5	2.3	380	4.5	14	4	30	0.5	1.08	6	0.5	2.5	0.5	1.03	10.0	36
69-99T-203	369733.49	6079116.31	1	2.5	1.6	320	4.8	14	4	33	0.5	1.07	6	0.5	2.5	0.5	1.05	10.0	48
69-99T-204	368745.75	6078704.52	5	2.5	2.5	320	3.8	14	4	34	1.0	1.22	8	0.5	2.5	0.5	1.02	10.0	47
69-99T-205	367736.72	6078107.25	1	2.5	1.2	350	4.5	13	5	34	0.5	1.21	7	0.5	2.5	2.0	1.08	10.0	47
69-99T-206	366185.42	6077629.58	1	2.5	2.0	350	4.1	14	5	34	0.5	1.10	7	0.5	2.5	0.5	1.03	10.0	46
69-99T-207	370205.14	6080422.95	1	2.5	2.7	390	5.0	14	4	28	1.0	1.24	6	0.5	2.5	0.5	1.02	10.0	38
69-99T-208	365599.84	6076900.47	1	2.5	2.7	340	5.1	14	4	28	0.5	1.01	5	0.5	2.5	0.5	1.06	10.0	37
69-99T-209	367275.47	6079004.52	1	2.5	1.4	240	4.2	13	4	30	0.5	0.87	7	0.5	2.5	2.0	1.10	10.0	38
69-99T-210	367991.68	6079460.20	1	2.5	3.1	340	4.0	13	4	32	0.5	1.08	7	0.5	2.5	0.5	1.10	10.0	8
69-99T-211	368856.57	6080449.74	1	2.5	1.5	340	4.3	14	5	33	1.0	1.23	6	0.5	2.5	0.5	1.06	10.0	49
69-99T-212	367569.80	6080402.33	1	2.5	2.6	300	4.4	14	4	29	1.0	1.09	5	0.5	2.5	0.5	1.06	10.0	41
69-99T-213	365183.13	6079542.10	1	2.5	2.2	350	4.4	13	4	41	2.0	1.22	6	0.5	2.5	0.5	1.08	10.0	53
69-99T-214	360603.87	6076390.98	1	2.5	8.1	370	5.3	12	5	48	1.0	1.35	6	0.5	2.5	2.0	1.19	10.5	49
69-99T-215	360976.40	6074963.41	1	2.5	2.0	350	4.0	11	4	35	0.5	1.07	6	0.5	2.5	0.5	1.10	10.0	50
69-99T-218	363444.79	6074383.10	1	2.5	1.6	300	6.3	14	4	30	0.5	1.14	5	0.5	2.5	0.5	1.02	10.0	53
69-99T-219-1 Analytical Duplicate	367825.77	6068425.98	8	2.5	1.6	380	4.4	12	4	28	2.0	1.08	6	0.5	2.5	0.5	1.12	10.0	40

Sample Site	UTM		Au	Ag	As	Ba	Br	Ca	Co	Cr	Cs	Fe	Hf	Hg	Ir	Mo	Na	Ni	Rb
	Easting	Northing	ppb	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm
69-99T-219-2 Analytical Duplicate	367825.77	6068425.98	1	2.5	1.7	390	4.6	13	4	31	1.0	1.11	7	0.5	2.5	0.5	1.13	10.0	46
69-99T-220	368431.98	6067452.60	1	2.5	3.0	400	4.4	15	6	34	1.0	1.30	5	0.5	2.5	0.5	1.08	10.5	39
69-99T-221	360246.41	6081552.52	1	2.5	2.2	240	4.4	13	6	39	2.0	1.47	6	0.5	2.5	0.5	1.01	10.0	38
69-99T-223	355505.67	6083205.01	1	2.5	5.2	320	4.2	15	7	31	1.0	1.28	6	0.5	2.5	3.0	0.97	10.0	32
69-99T-224	350117.78	6081716.84	1	2.5	2.6	250	6.8	19	6	34	2.0	1.66	3	0.5	2.5	0.5	0.80	10.5	62
69-99T-225	350702.40	6083206.61	1	2.5	3.0	350	4.3	13	3	24	0.5	0.88	6	0.5	2.5	2.0	1.08	10.0	46
69-99T-226	354277.47	6083205.79	1	2.5	2.6	380	6.4	15	6	37	2.0	1.45	5	0.5	2.5	0.5	0.97	10.5	56
69-99T-227	355381.59	6075600.60	1	2.5	2.3	330	4.6	14	5	34	2.0	1.33	6	0.5	2.5	0.5	1.05	10.0	50
69-99T-228	353986.25	6074843.74	1	2.5	1.5	420	6.6	13	7	43	3.0	1.98	5	0.5	2.5	2.0	1.08	12.0	64
69-99T-229	353511.14	6076295.59	1	2.5	3.8	400	8.7	12	6	39	1.0	1.50	6	0.5	2.5	0.5	1.07	10.5	57
69-99T-230-1 Analytical Duplicate	355405.44	6076684.24	1	2.5	2.9	440	7.3	18	5	39	1.0	1.46	6	0.5	2.5	0.5	1.03	10.0	41
69-99T-230-2 Analytical Duplicate	355405.44	6076684.24	1	2.5	3.0	420	6.5	18	5	37	2.0	1.40	6	0.5	2.5	0.5	1.01	10.0	42
69-99T-233	353080.39	6072997.78	1	2.5	3.5	460	10.3	18	8	44	3.0	1.89	5	0.5	2.5	0.5	1.03	10.0	59
69-99T-234	352085.67	6071913.45	1	2.5	1.9	470	6.4	20	6	40	2.0	1.60	5	0.5	2.5	4.0	0.98	10.0	64
69-99T-235	352971.33	6071021.91	1	2.5	3.1	450	6.4	21	13	62	3.0	2.37	5	0.5	2.5	2.0	1.20	10.5	53
69-99T-236	375222.72	6068829.48	1	2.5	0.3	400	11.3	20	5	38	2.0	1.19	5	0.5	2.5	0.5	1.00	10.0	47
69-99T-237	373322.15	6067669.32	1	2.5	3.2	510	6.5	17	6	39	1.0	1.33	6	0.5	2.5	3.0	1.06	10.0	35
69-99T-238	372452.18	6069244.38	1	2.5	2.9	450	5.3	17	5	38	1.0	1.30	7	0.5	2.5	3.0	1.11	10.0	48
69-99T-239	368922.50	6069508.74	1	2.5	2.8	530	5.6	19	4	38	1.0	1.21	6	0.5	2.5	0.5	1.05	10.0	44
69-99T-240	370909.02	6070515.51	1	2.5	2.3	450	5.3	19	5	38	3.0	1.27	6	0.5	2.5	0.5	1.08	10.0	53
69-99T-241	372758.61	6071129.61	1	2.5	3.2	480	5.8	19	5	37	1.0	1.42	5	0.5	2.5	0.5	1.01	10.0	34
69-99T-242	370633.94	6066046.81	1	2.5	2.3	330	5.1	18	5	41	2.0	1.31	6	0.5	2.5	0.5	1.08	10.0	41
69-99T-243	373883.08	6066058.33	1	2.5	2.8	430	4.9	19	5	34	1.0	1.23	6	0.5	2.5	2.0	1.04	10.0	34
69-99T-245	373013.86	6074903.92	1	2.5	2.5	480	4.5	16	4	33	1.0	1.11	7	0.5	2.5	0.5	1.16	10.0	27
69-99T-246	375209.93	6072610.07	1	2.5	2.9	430	5.3	18	5	43	2.0	1.27	6	0.5	2.5	2.0	1.09	10.0	34
69-99T-248-1 Analytical Duplicate	363998.87	6080166.06	1	2.5	2.6	360	4.4	17	5	38	1.0	1.18	7	0.5	2.5	0.5	1.10	10.0	39
69-99T-248-2 Analytical Duplicate	363998.87	6080166.06	1	2.5	2.4	400	4.3	16	5	39	1.0	1.27	6	0.5	2.5	0.5	1.09	10.0	41
69-99T-249	366434.90	6080165.02	1	2.5	1.3	390	6.0	16	8	45	2.0	1.76	4	0.5	2.5	5.0	1.03	10.0	69
69-99T-250	365625.09	6080983.27	1	2.5	2.5	600	6.1	9	17	92	5.0	3.75	10	0.5	2.5	5.0	1.16	12.5	109
69-99T-251	369454.61	6077674.80	4	2.5	1.9	420	4.9	16	4	35	1.0	1.09	8	0.5	2.5	0.5	1.12	10.0	35
69-99T-252	370212.70	6077226.07	1	2.5	4.3	600	0.3	14	10	68	3.0	2.43	7	0.5	2.5	0.5	1.16	10.0	70
69-99T-253	369727.62	6076391.19	1	2.5	2.6	390	4.6	15	5	39	2.0	1.28	8	0.5	2.5	0.5	1.21	10.0	39
69-99T-260	359223.52	6069883.78	2	2.5	2.2	390	6.9	22	5	38	1.0	1.27	5	0.5	2.5	0.5	1.02	10.0	33
69-99T-261	360063.93	6069315.74	1	2.5	1.3	530	4.1	15	7	50	2.0	1.34	10	0.5	2.5	0.5	1.22	10.0	68
69-99T-262	355969.59	6070935.17	1	2.5	3.2	440	4.4	15	5	31	0.5	1.20	6	0.5	2.5	0.5	1.08	10.0	46
69-99T-263	357994.39	6070646.49	1	2.5	2.1	440	5.0	16	4	34	1.0	1.03	7	0.5	2.5	0.5	1.12	10.0	34
69-99T-264	360989.77	6069149.40	1	2.5	2.2	450	4.1	15	7	53	3.0	1.73	9	0.5	2.5	0.5	1.29	10.0	52
69-99T-265	361329.67	6072980.83	1	2.5	2.7	370	4.8	17	4	30	0.5	1.03	6	0.5	2.5	0.5	1.13	10.0	26
69-99T-266	363559.03	6071022.97	8	2.5	0.6	360	4.9	19	4	31	0.5	1.04	5	0.5	2.5	0.5	1.05	10.0	24
69-99T-267	377020.28	6069882.33	1	2.5	0.7	410	6.4	20	5	40	2.0	1.45	6	0.5	2.5	0.5	1.07	10.0	38
69-99T-268	379044.14	6070599.95	1	2.5	1.6	490	5.3	14	5	40	1.0	1.19	12	0.5	2.5	3.0	1.30	11.5	19
69-99T-269	376364.81	6071760.41	4	2.5	2.7	410	6.3	19	6	34	0.5	1.33	6	0.5	2.5	2.0	1.14	13.0	62
69-99T-271	383858.83	6067703.50	1	2.5	2.5	460	5.3	17	5	29	1.0	1.26	7	0.5	2.5	3.0	1.18	12.5	43
69-99T-272	384102.61	6068885.27	1	2.5	3.3	400	5.2	17	7	45	2.0	1.72	6	0.5	2.5	0.5	1.18	10.0	80
69-99T-273	380547.15	6070612.20	1	2.5	1.6	510	6.8	16	6	44	2.0	1.66	7	0.5	2.5	0.5	1.12	13.0	38
69-99T-274	382955.22	6071800.72	3	2.5	2.2	380	5.5	12	5	39	0.5	1.30	11	0.5	2.5	0.5	1.32	12.0	57
69-99T-275	381967.41	6070087.68	1	2.5	2.6	350	6.1	12	3	34	1.0	1.11	10	0.5	2.5	0.5	1.25	11.0	54
69-99T-276-1 Analytical Duplicate	385148.66	6077248.38	1	2.5	3.5	420	6.5	16	5	41	2.0	1.38	7	0.5	2.5	2.0	1.12	12.5	56
69-99T-276-2 Analytical Duplicate	385148.66	6077248.38	1	2.5	3.5	470	7.0	15	5	44	2.0	1.52	8	0.5	2.5	1.0	1.24	12.5	48

Sample Site	UTM		Au	Ag	As	Ba	Br	Ca	Co	Cr	Cs	Fe	Hf	Hg	Ir	Mo	Na	Ni	Rb
	Easting	Northing	ppb	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm
69-99T-277	386690.16	6081682.14	1	2.5	1.5	390	4.5	17	4	28	0.5	1.13	6	0.5	2.5	0.5	1.19	11.5	43
69-99T-278	388023.91	6080577.61	1	2.5	2.7	410	4.7	16	6	35	1.0	1.14	7	0.5	2.5	0.5	1.12	12.0	44
69-99T-279	376310.70	6077007.87	1	2.5	1.5	360	4.6	15	4	31	0.5	1.03	8	0.5	2.5	0.5	1.17	11.0	24
69-99T-281	379124.40	6067728.11	1	2.5	2.0	350	5.1	17	4	33	1.0	1.22	8	0.5	2.5	0.5	1.07	11.5	47
69-99T-282	382727.20	6079909.30	1	2.5	2.7	380	5.8	16	4	39	1.0	1.19	7	0.5	2.5	0.5	1.10	12.0	8
69-99T-284	383840.14	6075866.88	1	2.5	2.0	460	4.4	17	4	32	0.5	1.15	7	0.5	2.5	0.5	1.15	11.5	55
69-99T-285	382958.94	6074543.38	1	2.5	3.2	460	6.0	17	7	43	3.0	1.88	5	0.5	2.5	0.5	1.09	11.5	68
69-99T-286	385475.05	6074190.49	6	2.5	2.4	420	6.0	16	5	44	1.0	1.48	12	0.5	2.5	0.5	1.15	11.5	52
69-99T-287	385938.09	6072538.35	1	2.5	1.7	370	5.8	15	4	35	1.0	1.14	7	0.5	2.5	2.0	1.07	12.0	40
69-99T-288	384706.93	6071638.97	1	2.5	1.6	320	4.3	17	6	36	2.0	1.33	5	0.5	2.5	0.5	1.10	12.5	67
69-99T-289	384447.42	6070035.32	1	2.5	2.6	410	5.1	16	5	33	2.0	1.26	7	0.5	2.5	0.5	1.14	12.0	34
69-99T-290	385875.21	6070091.77	1	2.5	2.5	390	5.5	19	7	42	2.0	1.50	6	0.5	2.5	0.5	1.19	14.0	53
69-99T-291	386749.94	6071142.51	1	2.5	2.6	420	6.0	18	7	40	2.0	1.44	6	0.5	2.5	0.5	1.12	12.5	64
69-99T-292-1 Analytical Duplicate	372658.22	6079359.51	15	2.5	2.4	370	4.4	17	5	35	1.0	1.30	7	0.5	2.5	2.0	1.12	12.0	42
69-99T-292-2 Analytical Duplicate	372658.22	6079359.51	2	2.5	2.5	430	4.2	16	5	35	0.5	1.27	6	0.5	2.5	3.0	1.10	11.5	37
69-99T-293	373332.21	6078856.12	1	2.5	2.0	400	4.4	15	5	34	2.0	1.17	9	0.5	2.5	0.5	1.09	11.0	60
69-99T-294	374312.89	6078921.40	1	2.5	3.3	360	4.0	14	5	36	2.0	1.29	6	0.5	2.5	0.5	1.15	11.5	49
69-99T-295	375182.62	6078624.03	1	2.5	2.1	460	4.9	15	5	35	2.0	1.25	7	0.5	2.5	2.0	1.17	11.5	43
69-99T-296	376386.81	6078570.83	1	2.5	2.5	410	4.2	15	6	44	2.0	1.55	7	0.5	2.5	2.0	1.14	12.0	57
69-99T-297	377606.00	6078057.09	1	2.5	1.7	350	3.9	16	6	36	0.5	1.22	6	0.5	2.5	3.0	1.14	11.5	58
69-99T-298	377794.68	6079094.31	1	2.5	3.0	400	4.4	15	5	39	3.0	1.37	7	0.5	2.5	0.5	1.14	12.0	40
69-99T-299	377733.77	6080049.38	8	2.5	7.4	400	4.9	13	10	108	3.0	1.82	9	0.5	2.5	0.5	1.18	11.0	45
69-99T-300	383601.49	6081754.27	1	2.5	1.8	380	4.2	15	5	37	2.0	1.34	8	0.5	2.5	0.5	1.08	10.0	66
69-99T-301	382264.75	6081807.41	1	2.5	1.8	340	4.6	14	4	39	0.5	1.28	14	0.5	2.5	0.5	1.17	10.0	57
69-99T-302	381825.16	6080640.92	1	2.5	2.4	330	4.6	13	4	34	1.0	1.18	6	0.5	2.5	0.5	1.10	10.0	43
69-99T-303	381419.93	6079292.48	1	2.5	2.0	300	5.0	16	4	33	1.0	1.10	6	0.5	2.5	2.0	1.10	10.0	23
69-99T-304	379828.87	6079816.74	1	2.5	3.1	390	4.3	14	6	47	1.0	1.43	7	0.5	2.5	0.5	1.12	10.0	42
69-99T-305	373257.01	6080611.99	1	2.5	1.3	390	3.7	14	4	32	0.5	0.99	7	0.5	2.5	0.5	1.06	10.0	46
69-99T-306	374075.08	6080290.59	1	2.5	2.3	410	4.0	15	4	34	1.0	1.11	7	0.5	2.5	0.5	1.08	10.0	34
69-99T-308	378593.33	6079122.68	1	2.5	2.3	370	3.9	16	4	32	0.5	1.15	8	0.5	2.5	0.5	1.11	10.0	26
69-99T-310	378075.60	6081454.42	3	2.5	1.8	380	4.5	14	4	27	1.0	1.00	7	0.5	2.5	0.5	1.12	10.0	35
69-99T-311	375825.45	6081477.33	1	2.5	2.0	340	4.3	15	4	25	1.0	0.93	6	0.5	2.5	0.5	1.08	10.0	48
69-99T-312	374729.14	6081514.74	1	2.5	2.4	360	5.7	13	5	34	1.0	1.07	6	0.5	2.5	0.5	1.04	10.0	26
69-99T-314-1 Analytical Duplicate	380441.27	6077362.52	1	2.5	2.6	420	5.2	16	6	40	1.0	1.41	5	0.5	2.5	0.5	1.03	10.5	29
69-99T-314-2 Analytical Duplicate	380441.27	6077362.52	1	2.5	2.4	390	4.7	16	6	43	2.0	1.50	5	0.5	2.5	0.5	1.03	10.0	26
69-99T-315	379424.91	6076667.36	1	2.5	2.9	340	4.2	15	7	34	2.0	1.36	5	0.5	2.5	0.5	1.07	10.5	34
69-99T-316	378083.67	6075976.30	1	2.5	2.3	420	5.6	15	5	33	1.0	1.39	5	0.5	2.5	0.5	1.04	10.0	41
69-99T-317	378975.05	6075002.82	1	2.5	2.1	400	4.0	10	7	41	2.0	1.58	6	0.5	2.5	2.0	1.15	11.0	63
69-99T-319	377992.28	6071532.08	1	2.5	2.3	330	5.6	15	5	31	2.0	1.30	6	0.5	2.5	0.5	1.01	10.0	56
69-99T-320	378032.77	6073502.62	1	2.5	2.6	380	3.8	14	5	35	2.0	1.26	6	0.5	2.5	1.0	1.05	10.0	27
69-99T-322	376788.52	6076148.06	1	2.5	2.0	340	4.8	15	3	27	1.0	0.86	7	0.5	2.5	2.0	1.13	10.0	46
69-99T-324	371909.21	6077077.66	1	2.5	1.8	360	4.5	15	3	26	2.0	0.92	6	0.5	2.5	0.5	1.13	10.0	48
69-99T-325	371394.88	6077468.54	1	2.5	2.4	310	4.4	17	5	39	2.0	1.29	6	0.5	2.5	0.5	1.09	10.0	62
69-99T-326	367010.80	6076322.95	1	2.5	1.8	410	4.0	16	5	40	2.0	1.23	6	0.5	2.5	0.5	1.06	10.0	44
69-99T-327	365544.89	6075097.76	1	2.5	2.4	320	4.1	15	4	30	0.5	1.01	5	0.5	2.5	2.0	1.04	10.0	38
69-99T-328	366630.37	6073449.41	1	2.5	2.3	370	4.1	16	4	28	0.5	1.12	7	0.5	2.5	0.5	1.05	10.0	49
69-99T-329-1 Analytical Duplicate	373524.62	6072776.30	1	2.5	2.2	400	4.6	15	4	31	1.0	1.07	7	0.5	2.5	0.5	1.06	10.0	42
69-99T-329-2 Analytical Duplicate	373524.62	6072776.30	1	2.5	2.4	370	4.9	16	4	32	1.0	1.08	6	0.5	2.5	0.5	1.09	10.0	39
69-99T-330	373090.65	6073609.38	1	2.5	3.9	400	4.2	17	5	35	1.0	1.26	6	0.5	2.5	1.0	1.10	10.0	34

Sample Site	UTM		Au	Ag	As	Ba	Br	Ca	Co	Cr	Cs	Fe	Hf	Hg	Ir	Mo	Na	Ni	Rb
	Easting	Northing	ppb	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm
69-99T-331	372325.83	6073335.34	1	2.5	2.0	350	4.1	16	4	31	2.0	1.09	6	0.5	2.5	0.5	1.08	10.0	31
69-99T-332	371343.79	6071847.26	1	2.5	2.5	450	4.6	17	5	32	2.0	1.14	6	0.5	2.5	1.0	1.08	10.0	54
69-99T-334	353630.41	6074080.73	1	2.5	3.7	390	5.7	14	8	42	2.0	1.68	6	0.5	2.5	0.5	1.05	10.0	61
69-99T-335	354026.13	6072263.97	1	2.5	2.8	480	6.1	18	8	37	2.0	1.74	4	0.5	2.5	0.5	0.99	10.0	70
69-99T-338	358097.38	6073183.12	1	2.5	4.3	410	5.2	16	6	36	1.0	1.26	7	0.5	2.5	0.5	1.15	10.0	49
69-99T-341	363366.15	6079087.77	1	2.5	2.6	420	4.8	16	5	37	1.0	1.23	7	0.5	2.5	0.5	1.16	10.0	51
69-99T-343	365228.31	6078367.51	1	2.5	5.2	370	5.1	15	5	31	1.0	1.15	8	0.5	2.5	0.5	1.15	10.0	41
69-99T-344	364266.45	6076224.84	1	2.5	5.6	380	4.5	14	8	52	3.0	1.57	7	0.5	2.5	0.5	1.31	10.0	40
69-99T-345	362453.17	6075416.23	1	2.5	13.2	420	4.4	15	5	38	2.0	1.23	7	0.5	2.5	0.5	1.13	10.0	38
69-99T-346	363508.62	6077282.57	5	2.5	4.4	360	4.4	16	4	35	2.0	1.09	7	0.5	2.5	0.5	1.16	10.0	35
69-99T-347	390123.06	6073013.81	1	2.5	1.7	410	4.3	16	6	37	0.5	1.30	7	0.5	2.5	0.5	1.15	10.0	31
69-99T-349	394290.85	6073197.89	1	2.5	1.5	390	4.3	17	6	41	2.0	1.48	8	0.5	2.5	3.0	1.14	10.0	56
69-99T-350	381237.22	6069551.39	1	2.5	2.4	390	4.9	15	4	35	0.5	1.20	7	0.5	2.5	0.5	1.09	10.0	33
69-99T-351	377332.39	6064774.37	1	2.5	2.7	360	6.5	18	6	33	2.0	1.41	4	0.5	2.5	0.5	0.83	10.0	49

Sample Site	Sb	Sc	Se	Sn	Sr	Ta	Th	U	W	Zn	La	Ce	Nd	Sm	Eu	Tb	Yb	Lu	TREE
	ppm	ppm	ppm	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
69-99T-2	0.30	4.1	1.5	0.005	0.025	0.25	5.8	1.2	0.5	25	20.1	40	16	3.2	0.7	0.25	1.5	0.23	82.0
69-99T-3	0.30	4.8	1.5	0.005	0.025	0.25	6.9	1.6	0.5	25	23.3	46	14	3.6	0.8	0.25	1.7	0.25	89.9
69-99T-4	0.05	5.9	1.5	0.005	0.025	0.25	11.5	2.2	0.5	25	31.4	57	19	3.9	0.7	0.25	1.3	0.19	113.7
69-99T-5	0.30	4.9	1.5	0.005	0.025	0.25	6.0	1.8	0.5	25	22.0	41	17	3.3	0.7	0.25	1.5	0.23	86.0
69-99T-7	0.30	4.3	1.5	0.005	0.025	0.25	6.4	1.5	0.5	25	21.8	45	18	3.4	0.7	0.25	1.5	0.23	90.9
69-99T-8	0.05	4.7	1.5	0.005	0.025	0.25	6.3	1.9	0.5	25	23.0	46	20	3.5	0.7	0.25	1.5	0.24	95.2
69-99T-9	0.05	4.6	1.5	0.005	0.025	0.90	7.1	0.7	0.5	25	23.2	45	18	3.6	0.7	0.25	1.5	0.23	92.5
69-99T-10	0.05	4.3	1.5	0.005	0.025	0.25	5.8	1.5	0.5	25	20.2	40	16	3.1	0.7	0.25	1.5	0.23	82.0
69-99T-11	0.05	5.0	1.5	0.005	0.025	0.25	7.6	1.8	0.5	25	24.2	50	17	3.7	0.8	0.25	1.8	0.26	98.0
69-99T-12	0.30	4.5	1.5	0.005	0.025	0.25	6.5	1.7	0.5	25	21.6	43	16	3.4	0.7	0.50	1.5	0.23	86.9
69-99T-13	0.05	5.1	1.5	0.005	0.025	0.25	7.1	1.7	0.5	56	23.7	46	16	3.5	0.7	0.25	1.5	0.23	91.9
69-99T-14	0.20	4.3	1.5	0.005	0.025	0.25	5.8	1.7	0.5	25	20.5	40	13	3.2	0.7	0.60	1.4	0.21	79.6
69-99T-15	0.05	5.2	1.5	0.005	0.025	0.25	9.7	1.6	0.5	25	29.1	54	23	4.3	0.8	0.25	2.0	0.30	113.8
69-99T-16	0.50	7.0	1.5	0.005	0.025	0.25	9.1	2.6	0.5	25	29.9	61	21	4.5	1.0	0.25	2.2	0.33	120.2
69-99T-17	0.30	4.3	1.5	0.005	0.025	0.25	5.7	1.6	0.5	25	20.6	40	16	3.2	0.7	0.25	1.7	0.25	82.7
69-99T-18	0.40	6.2	1.5	0.005	0.025	0.25	8.4	2.0	0.5	58	25.9	51	24	3.9	0.8	0.25	1.8	0.26	107.9
69-99T-19	0.05	4.6	1.5	0.005	0.025	0.25	7.2	1.9	0.5	25	23.3	46	16	3.5	0.7	0.25	1.8	0.26	91.8
69-99T-21-1 Analytical Duplicate	0.20	4.3	1.5	0.005	0.025	0.25	6.5	1.3	0.5	25	22.5	45	20	3.4	0.7	0.25	1.6	0.24	93.7
69-99T-21-2 Analytical Duplicate	0.20	4.3	1.5	0.005	0.025	0.25	7.2	1.6	0.5	25	23.1	43	15	3.4	0.7	0.25	1.5	0.24	87.2
69-99T-25	0.30	4.8	1.5	0.005	0.060	1.50	6.1	1.5	0.5	25	21.2	41	14	3.2	0.7	0.25	1.6	0.24	82.2
69-99T-26	0.05	4.7	1.5	0.005	0.025	0.25	6.3	1.8	0.5	25	22.3	44	19	3.4	0.8	0.25	1.6	0.24	91.6
69-99T-27	0.20	5.0	1.5	0.005	0.025	0.25	6.5	1.6	0.5	25	23.0	44	18	3.5	0.8	0.25	1.6	0.24	91.4
69-99T-28	0.05	4.1	1.5	0.005	0.025	0.25	5.5	1.0	0.5	25	18.3	36	14	3.0	0.6	0.25	1.3	0.20	73.7
69-99T-29	0.20	5.6	1.5	0.005	0.025	0.25	6.9	1.4	0.5	25	24.6	44	16	3.7	0.7	0.25	1.8	0.26	91.3
69-99T-30	0.05	4.5	1.5	0.005	0.025	0.25	6.6	0.8	0.5	25	21.6	42	15	3.5	0.7	0.25	1.5	0.22	84.8
69-99T-31	0.05	4.2	1.5	0.005	0.025	1.20	5.2	1.4	0.5	25	18.9	40	16	3.0	0.6	0.25	1.3	0.20	80.3
69-99T-32	0.20	4.6	1.5	0.005	0.025	0.25	6.8	1.2	0.5	25	22.9	46	19	3.6	0.8	0.25	1.7	0.25	94.5
69-99T-33	0.30	5.2	1.5	0.005	0.025	0.25	6.3	1.7	0.5	25	23.4	44	21	3.5	0.7	0.25	1.6	0.24	94.7
69-99T-34	0.40	4.3	1.5	0.005	0.025	1.20	5.9	1.2	0.5	25	21.2	42	13	3.3	0.7	0.25	1.4	0.21	82.1
69-99T-35	0.20	4.3	1.5	0.005	0.025	0.25	5.7	1.6	0.5	25	20.1	40	17	3.1	0.7	0.25	1.5	0.23	82.9
69-99T-36	0.30	4.4	1.5	0.005	0.025	0.25	5.6	1.7	0.5	25	21.2	38	17	3.2	0.8	0.25	1.4	0.21	82.1
69-99T-39	0.05	4.6	1.5	0.005	0.025	0.25	6.5	1.9	0.5	25	21.7	40	18	3.2	0.7	0.25	1.4	0.21	85.5
69-99T-40	0.05	4.5	1.5	0.005	0.025	0.25	5.3	1.3	0.5	25	21.5	40	19	3.2	0.8	0.25	1.3	0.22	86.3
69-99T-41-1 Analytical Duplicate	0.05	4.6	1.5	0.005	0.025	0.25	5.9	1.3	0.5	25	21.7	41	19	3.2	0.8	0.25	1.4	0.21	87.6
69-99T-41-2 Analytical Duplicate	0.05	4.8	1.5	0.005	0.025	0.25	5.7	1.4	0.5	25	22.1	42	19	3.3	0.7	0.25	1.3	0.20	88.9
69-99T-42	0.05	6.2	1.5	0.005	0.025	0.25	7.5	2.1	0.5	56	27.6	49	17	3.7	1.0	0.25	1.3	0.20	100.1
69-99T-43	0.05	4.6	1.5	0.005	0.025	1.40	5.9	1.5	0.5	25	21.1	38	18	3.1	0.6	0.25	1.5	0.22	82.8
69-99T-44	0.30	4.6	1.5	0.005	0.025	0.25	5.6	1.3	0.5	25	21.4	41	17	3.2	0.8	0.25	1.4	0.21	85.3
69-99T-45	0.05	3.7	1.5	0.005	0.025	0.25	4.4	1.0	0.5	25	16.1	32	14	2.5	0.5	0.25	0.9	0.14	66.4
69-99T-46	0.20	4.3	1.5	0.005	0.025	0.25	5.4	0.9	0.5	25	20.3	39	20	3.0	0.5	0.25	1.2	0.18	84.4
69-99T-47	0.20	4.2	1.5	0.005	0.025	1.20	6.0	1.1	0.5	25	21.3	41	14	3.2	0.7	0.25	1.5	0.23	82.2
69-99T-49	0.05	4.7	1.5	0.005	0.025	0.25	6.3	1.0	0.5	25	22.5	40	21	3.2	0.8	0.25	1.3	0.21	89.3

Sample Site	Sb	Sc	Se	Sn	Sr	Ta	Th	U	W	Zn	La	Ce	Nd	Sm	Eu	Tb	Yb	Lu	TREE
	ppm	ppm	ppm	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
69-99T-50	0.20	4.5	1.5	0.005	0.025	0.25	6.6	1.0	0.5	25	22.8	43	21	3.4	0.8	0.25	1.4	0.20	92.9
69-99T-51	0.30	6.4	1.5	0.005	0.025	0.25	6.2	2.2	0.5	25	21.8	41	24	3.1	1.0	0.25	1.4	0.23	92.8
69-99T-52	0.20	4.4	1.5	0.005	0.025	1.30	6.7	1.4	0.5	25	22.9	40	21	3.4	0.8	0.60	1.6	0.24	90.5
69-99T-53	0.20	5.2	1.5	0.005	0.025	0.25	7.0	1.2	0.5	25	25.8	48	26	3.8	0.9	0.25	1.6	0.23	106.6
69-99T-54	0.05	4.1	1.5	0.005	0.025	0.25	5.3	1.8	0.5	25	21.5	38	18	3.2	0.6	0.25	1.2	0.18	82.9
69-99T-55	0.30	4.4	1.5	0.005	0.025	0.25	6.3	1.3	0.5	25	21.6	41	23	3.2	0.7	0.25	1.3	0.20	91.3
69-99T-56	0.05	6.5	1.5	0.005	0.025	0.25	10.4	1.0	0.5	25	32.0	60	29	4.3	0.9	0.25	1.5	0.27	128.2
69-99T-57	0.05	5.1	1.5	0.005	0.025	0.25	6.7	1.6	0.5	25	27.0	46	22	3.8	0.8	0.25	1.3	0.22	101.4
69-99T-59	0.20	4.5	1.5	0.005	0.025	1.20	4.9	1.6	0.5	25	21.0	38	20	3.1	0.8	0.25	1.5	0.23	84.9
69-99T-63	0.30	4.7	1.5	0.005	0.025	0.25	7.2	1.2	0.5	25	23.9	44	21	3.4	0.8	0.25	1.5	0.23	95.1
69-99T-64	0.05	4.6	1.5	0.005	0.025	0.25	7.7	1.0	0.5	25	28.6	55	20	4.0	0.9	0.70	1.7	0.25	111.2
69-99T-65	0.05	4.2	1.5	0.005	0.025	0.25	5.7	1.9	0.5	25	20.4	36	17	3.0	0.7	0.25	1.4	0.21	79.0
69-99T-66	0.20	8.7	1.5	0.005	0.025	0.25	11.6	1.3	0.5	25	37.5	72	30	4.9	1.1	0.25	1.9	0.26	147.9
69-99T-67	0.05	4.5	1.5	0.005	0.025	0.25	6.4	1.4	0.5	25	22.4	43	19	3.3	0.8	0.25	1.2	0.18	90.1
69-99T-68	0.10	4.4	1.5	0.005	0.025	1.30	6.4	1.6	0.5	25	23.4	43	22	3.3	0.8	0.25	1.4	0.20	94.4
69-99T-69	0.05	4.9	1.5	0.005	0.025	0.25	6.4	1.4	0.5	25	22.9	45	19	3.3	0.8	0.25	1.2	0.17	92.6
69-99T-70	0.05	4.4	1.5	0.005	0.025	0.25	4.8	1.6	0.5	25	20.1	39	19	3.0	0.8	0.25	1.4	0.21	83.8
69-99T-71	0.20	4.5	1.5	0.005	0.025	1.00	5.8	1.9	0.5	25	23.3	43	22	3.3	0.8	0.25	1.5	0.22	94.4
69-99T-73-1 Analytical Duplicate	0.30	5.2	1.5	0.005	0.025	0.25	7.0	1.7	0.5	25	23.8	48	20	3.8	0.9	0.25	1.8	0.26	98.8
69-99T-73-2 Analytical Duplicate	0.30	4.6	1.5	0.005	0.025	0.25	6.9	1.5	0.5	25	22.0	48	21	3.7	0.8	0.25	1.8	0.26	97.8
69-99T-74	0.20	4.7	1.5	0.005	0.025	0.25	7.3	1.0	0.5	25	23.4	51	19	3.9	0.9	0.25	1.8	0.27	100.5
69-99T-75	0.20	4.2	1.5	0.005	0.025	1.00	6.7	2.0	0.5	25	20.9	44	16	3.6	0.8	0.25	1.7	0.25	87.5
69-99T-76	0.20	4.6	1.5	0.005	0.025	0.25	9.0	2.2	0.5	25	28.5	59	23	4.5	1.0	0.50	2.1	0.31	118.9
69-99T-77	0.20	4.1	1.5	0.005	0.025	0.25	6.5	1.6	0.5	25	21.3	46	19	3.5	0.8	0.25	1.9	0.28	93.0
69-99T-78	0.30	4.2	1.5	0.005	0.025	1.50	6.7	1.3	0.5	25	20.9	45	19	3.5	0.8	0.25	1.7	0.26	91.4
69-99T-79	0.20	4.0	1.5	0.005	0.025	0.25	5.8	1.6	0.5	25	19.8	43	16	3.3	0.7	0.25	1.7	0.26	85.0
69-99T-80	0.20	4.7	1.5	0.005	0.025	0.25	6.5	2.0	0.5	59	22.6	47	19	3.7	0.8	0.25	1.8	0.26	95.4
69-99T-81	0.05	4.3	1.5	0.005	0.025	0.25	6.4	1.2	0.5	25	21.0	44	19	3.5	0.9	0.25	1.7	0.25	90.6
69-99T-82-1 Analytical Duplicate	0.05	4.3	1.5	0.005	0.025	0.25	6.8	1.4	0.5	25	22.1	46	18	3.5	0.8	0.25	1.8	0.26	92.7
69-99T-82-2 Analytical Duplicate	0.05	4.2	1.5	0.005	0.025	0.25	6.6	1.5	0.5	25	21.8	46	19	3.4	0.8	0.25	1.8	0.26	93.3
69-99T-83	0.20	4.7	1.5	0.005	0.025	0.25	7.4	1.9	0.5	25	23.3	48	24	3.9	0.9	0.25	1.9	0.29	102.5
69-99T-84	0.05	4.7	1.5	0.005	0.025	0.25	7.1	1.8	0.5	25	23.2	52	21	3.9	0.9	0.25	1.9	0.27	103.4
69-99T-85	0.20	5.0	1.5	0.005	0.025	0.25	6.8	1.3	0.5	25	22.6	50	17	3.8	0.9	0.25	1.8	0.28	96.6
69-99T-86	0.20	4.4	1.5	0.005	0.025	1.00	7.0	2.4	0.5	25	23.0	45	18	3.5	0.9	0.25	1.7	0.25	92.6
69-99T-89	0.20	5.0	1.5	0.005	0.025	0.25	7.5	1.8	0.5	25	24.4	49	20	3.7	0.9	0.25	1.6	0.25	100.1
69-99T-90	0.20	3.9	1.5	0.005	0.025	1.20	5.5	1.8	0.5	25	19.1	42	15	3.3	0.8	0.50	1.6	0.24	82.5
69-99T-91	0.20	4.0	1.5	0.005	0.025	1.10	6.0	1.7	0.5	25	21.1	44	17	3.4	0.8	0.25	1.9	0.28	88.7
69-99T-93	0.05	4.7	1.5	0.005	0.025	0.25	6.[illegible]	2.0	0.5	25	22.2	45	19	3.5	0.8	0.25	1.7	0.25	92.7
69-99T-94	0.20	5.1	1.5	0.005	0.025	0.25	7.6	1.2	0.5	25	22.5	48	21	3.8	0.9	0.25	1.7	0.25	98.4
69-99T-95	0.20	4.5	1.5	0.005	0.025	0.25	6.7	1.5	0.5	25	21.8	48	18	3.6	0.9	0.25	1.7	0.25	94.5
69-99T-97	0.20	4.7	1.5	0.005	0.025	0.25	7.5	1.9	0.5	25	23.4	51	19	3.8	0.8	0.25	1.7	0.26	100.2
69-99T-98	0.20	4.3	1.5	0.005	0.025	0.25	7.3	1.6	0.5	25	23.4	51	18	3.8	0.8	0.25	1.8	0.27	99.3
69-99T-102	0.05	4.4	1.5	0.005	0.025	0.25	8.5	2.3	0.5	25	25.7	56	21	4.1	0.9	0.50	2.0	0.30	110.5
69-99T-104	0.30	5.3	1.5	0.005	0.025	0.25	8.8	1.6	0.5	25	28.1	61	22	4.6	1.0	0.25	2.1	0.31	119.4
69-99T-105	0.20	4.2	1.5	0.005	0.025	0.25	7.0	1.5	0.5	25	22.6	50	19	3.7	0.8	0.25	1.8	0.26	98.4
69-99T-106	0.30	4.5	1.5	0.005	0.025	0.25	7.8	1.7	0.5	25	25.2	54	18	4.1	0.9	0.25	2.1	0.31	104.9
69-99T-107	0.05	4.1	1.5	0.005	0.025	0.25	6.0	2.1	0.5	25	21.1	45	18	3.5	0.8	0.25	2.0	0.31	91.0
69-99T-108	0.20	4.4	1.5	0.005	0.025	0.25	6.4	1.9	0.5	25	22.0	47	19	3.5	0.9	0.25	1.8	0.26	94.7
69-99T-109	0.20	4.3	1.5	0.005	0.025	0.25	7.0	1.7	0.5	25	21.3	48	18	3.5	0.8	0.60	1.8	0.25	94.3

Sample Site	Sb	Sc	Se	Sn	Sr	Ta	Th	U	W	Zn	La	Ce	Nd	Sm	Eu	Tb	Yb	Lu	TREE
	ppm	ppm	ppm	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
69-99T-111	0.05	4.4	1.5	0.005	0.025	1.10	5.9	1.8	0.5	25	20.5	43	17	3.2	0.8	0.25	1.6	0.24	86.6
69-99T-113	0.10	4.2	1.5	0.005	0.025	0.25	5.3	1.6	0.5	25	20.5	43	13	3.2	0.8	0.25	1.6	0.26	82.6
69-99T-114	0.20	4.3	1.5	0.005	0.025	0.25	5.9	1.5	0.5	25	20.2	43	16	3.2	0.8	0.25	1.7	0.25	85.4
69-99T-115	0.20	4.3	1.5	0.005	0.025	0.25	6.7	1.7	0.5	25	21.7	44	12	3.3	0.8	0.25	1.8	0.25	84.1
69-99T-118	0.05	4.2	1.5	0.005	0.025	0.25	6.0	1.8	0.5	25	21.0	43	13	3.2	0.8	0.25	1.7	0.25	83.2
69-99T-121	0.20	5.8	1.5	0.005	0.025	0.25	8.2	1.0	0.5	25	24.3	53	15	3.7	0.9	0.25	1.7	0.24	99.1
69-99T-123	0.30	4.8	1.5	0.005	0.025	1.10	7.0	1.6	0.5	25	21.1	50	17	3.2	0.8	0.25	1.8	0.26	94.4
69-99T-124-1 Analytical Duplicate	0.20	5.0	1.5	0.005	0.025	0.25	6.3	1.4	0.5	25	21.8	48	17	3.4	0.8	0.25	1.6	0.24	93.1
69-99T-124-2 Analytical Duplicate	0.10	5.0	1.5	0.005	0.025	0.25	6.9	1.4	0.5	25	21.9	48	16	3.5	0.8	0.25	1.6	0.24	92.3
69-99T-125	0.30	5.2	1.5	0.005	0.025	0.25	6.9	1.6	0.5	25	22.2	45	17	3.4	0.9	0.25	1.7	0.25	90.7
69-99T-126	0.20	4.4	1.5	0.005	0.025	0.25	5.6	1.5	0.5	25	20.5	43	17	3.2	0.8	0.25	1.7	0.25	86.7
69-99T-127	0.30	3.9	1.5	0.005	0.025	0.25	5.5	1.4	0.5	25	18.7	40	16	2.9	0.8	0.25	1.7	0.25	80.6
69-99T-131	0.30	5.7	1.5	0.005	0.025	0.25	7.5	1.5	0.5	56	24.7	51	19	3.7	0.9	0.25	1.8	0.26	101.6
69-99T-134	0.40	5.3	1.5	0.005	0.025	0.25	7.2	1.5	0.5	25	23.9	48	20	4.1	0.9	0.60	1.9	0.28	99.7
69-99T-135	0.40	5.9	1.5	0.005	0.025	0.70	8.2	1.3	0.5	56	24.2	52	22	3.7	0.9	0.25	1.8	0.27	105.1
69-99T-136	0.05	5.1	1.5	0.005	0.025	0.25	6.6	1.3	0.5	25	21.0	45	19	3.4	0.8	0.25	1.7	0.26	91.4
69-99T-139	0.20	5.1	1.5	0.005	0.025	0.25	7.2	1.7	0.5	55	21.5	41	18	3.2	0.8	0.50	1.4	0.20	86.6
69-99T-140	0.30	5.0	1.5	0.005	0.025	1.40	6.6	1.4	0.5	25	23.5	46	20	3.8	0.9	0.25	1.6	0.24	96.3
69-99T-142	0.40	4.9	1.5	0.005	0.025	1.40	7.2	2.0	0.5	25	25.2	50	20	4.0	0.9	0.60	1.9	0.28	102.9
69-99T-145-1 Analytical Duplicate	0.05	4.2	1.5	0.005	0.025	0.60	5.7	1.0	0.5	25	18.6	42	16	3.5	0.8	0.25	1.7	0.25	83.1
69-99T-145-2 Analytical Duplicate	0.05	4.1	1.5	0.005	0.025	0.90	5.2	1.1	0.5	25	18.5	41	15	3.3	0.8	0.25	1.6	0.24	80.7
69-99T-146	0.05	4.4	1.5	0.005	0.025	0.25	6.5	2.7	0.5	25	20.2	47	20	3.3	0.9	0.25	1.9	0.28	93.8
69-99T-147	0.20	4.1	1.5	0.005	0.025	1.00	6.3	1.3	0.5	25	20.1	47	19	3.3	0.8	0.25	1.9	0.29	92.6
69-99T-148	0.30	4.9	1.5	0.005	0.025	0.90	7.4	1.2	0.5	25	22.3	48	19	3.4	0.8	0.25	1.6	0.24	95.6
69-99T-149	0.20	5.0	1.5	0.005	0.025	0.25	7.5	1.3	0.5	25	23.2	51	16	3.6	0.9	0.25	1.6	0.27	96.8
69-99T-150	0.30	4.6	1.5	0.005	0.025	1.50	7.5	2.2	0.5	25	25.6	55	20	4.0	1.0	0.25	2.2	0.31	108.4
69-99T-151	0.05	4.7	1.5	0.005	0.025	1.50	6.3	1.5	0.5	25	21.5	47	19	3.5	0.8	0.25	1.6	0.26	93.9
69-99T-152	0.05	5.2	1.5	0.005	0.025	0.25	7.1	2.0	0.5	25	23.6	50	19	3.6	0.9	0.50	1.7	0.27	99.6
69-99T-154	0.20	5.0	1.5	0.005	0.025	0.25	7.2	1.1	0.5	25	22.2	50	22	3.5	0.9	0.25	1.9	0.27	101.0
69-99T-155	0.30	4.9	1.5	0.005	0.025	0.25	8.5	1.8	0.5	25	28.0	53	21	4.2	0.8	0.50	2.2	0.33	110.0
69-99T-156	0.20	4.8	1.5	0.005	0.025	1.00	6.1	0.3	0.5	25	22.5	44	18	3.4	0.7	0.25	1.5	0.21	90.6
69-99T-157	0.30	4.9	1.5	0.005	0.025	0.25	8.0	2.2	0.5	25	23.1	46	17	3.5	0.7	0.50	1.8	0.26	92.9
69-99T-201	0.05	5.0	1.5	0.005	0.025	0.25	6.7	1.9	0.5	25	23.2	49	18	3.6	0.8	0.25	1.6	0.23	96.7
69-99T-202	0.05	4.8	1.5	0.005	0.025	1.10	6.5	1.9	0.5	25	23.2	48	19	3.6	0.8	0.50	1.7	0.25	97.1
69-99T-203	0.20	4.7	1.5	0.005	0.025	1.40	6.8	1.5	0.5	25	22.8	45	17	3.5	0.8	0.25	1.8	0.26	91.4
69-99T-204	0.20	4.9	1.5	0.005	0.025	0.25	8.0	2.0	0.5	25	26.1	51	19	4.0	0.8	0.60	2.0	0.30	103.8
69-99T-205	0.20	4.9	1.5	0.005	0.025	1.00	7.2	1.7	0.5	25	23.0	48	17	3.6	0.7	0.25	1.9	0.28	94.7
69-99T-206	0.20	4.7	1.5	0.005	0.025	0.25	7.3	1.6	0.5	25	23.2	47	20	3.5	0.8	0.25	1.6	0.24	96.6
69-99T-207	0.30	4.9	1.5	0.005	0.025	0.25	7.3	1.9	0.5	25	23.2	46	19	3.6	0.8	0.50	1.7	0.24	95.0
69-99T-208	0.30	4.5	1.5	0.005	0.025	0.25	5.8	1.7	0.5	25	19.3	39	17	3.1	0.7	0.25	1.5	0.23	81.1
69-99T-209	0.30	4.2	1.5	0.005	0.025	0.25	5.8	1.6	0.5	25	19.0	40	14	3.2	0.7	0.25	1.6	0.24	79.0
69-99T-210	0.05	4.3	1.5	0.005	0.025	0.25	6.5	1.6	0.5	25	22.0	43	15	3.4	0.7	0.25	1.7	0.25	86.3
69-99T-211	0.05	4.7	1.5	0.005	0.025	0.25	6.7	1.5	0.5	25	22.4	41	17	3.3	0.7	0.25	1.6	0.24	86.5
69-99T-212	0.20	4.5	1.5	0.005	0.025	0.25	6.1	1.4	0.5	25	22.1	40	15	3.2	0.8	0.25	1.5	0.24	83.1
69-99T-213	0.20	5.3	1.5	0.005	0.025	0.25	6.2	1.8	0.5	25	26.0	48	21	3.7	0.7	0.70	1.7	0.25	102.1
69-99T-214	0.30	5.4	1.5	0.005	0.025	0.25	6.1	1.4	0.5	25	22.7	43	19	3.5	0.8	0.25	1.7	0.25	91.2
69-99T-215	0.20	4.8	1.5	0.005	0.025	1.10	5.9	0.3	0.5	25	20.4	39	15	3.2	0.7	0.25	1.6	0.24	80.4
69-99T-218	0.05	4.7	1.5	0.005	0.025	0.25	6.4	1.3	0.5	25	22.4	43	16	3.3	0.7	0.25	1.6	0.24	87.5
69-99T-219-1 Analytical Duplicate	0.20	4.4	1.5	0.005	0.025	0.25	5.3	1.1	0.5	25	21.3	40	16	3.1	0.8	0.25	1.6	0.24	83.3

Sample Site	Sb	Sc	Se	Sn	Sr	Ta	Th	U	W	Zn	La	Ce	Nd	Sm	Eu	Tb	Yb	Lu	TREE
	ppm	ppm	ppm	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
69-99T-219-2 Analytical Duplicate	0.20	4.6	1.5	0.005	0.025	0.25	5.8	1.2	0.5	25	22.7	42	15	3.2	0.8	0.25	1.5	0.23	85.7
69-99T-220	0.40	5.2	1.5	0.005	0.025	0.25	6.7	1.5	0.5	25	23.8	46	13	3.4	0.7	0.25	1.5	0.22	88.9
69-99T-221	0.05	5.9	1.5	0.005	0.025	0.25	6.9	1.6	0.5	51	25.0	46	17	3.6	0.8	0.25	1.8	0.26	94.7
69-99T-223	0.05	4.6	1.5	0.005	0.025	0.25	6.6	0.3	0.5	25	21.2	46	19	3.2	0.6	0.25	1.5	0.23	92.0
69-99T-224	0.10	4.9	1.5	0.005	0.025	0.25	9.5	1.6	0.5	25	25.3	48	12	3.0	0.6	0.25	1.0	0.14	90.3
69-99T-225	0.05	3.6	1.5	0.005	0.025	0.25	4.2	0.7	0.5	25	16.3	30	14	2.6	0.6	0.25	1.3	0.18	65.2
69-99T-226	0.40	5.2	1.5	0.005	0.025	0.25	7.1	2.0	0.5	25	23.7	44	17	3.5	0.7	0.25	1.7	0.25	91.1
69-99T-227	0.30	4.9	1.5	0.005	0.025	0.25	6.6	1.4	0.5	25	22.4	42	17	3.2	0.7	0.25	1.5	0.23	87.3
69-99T-228	0.05	6.6	1.5	0.005	0.025	0.25	11.6	1.0	0.5	25	30.8	64	20	4.3	0.8	0.25	1.7	0.25	122.1
69-99T-229	0.30	5.7	1.5	0.005	0.025	0.25	7.3	1.5	0.5	25	26.8	48	19	4.0	0.9	0.25	1.6	0.25	100.8
69-99T-230-1 Analytical Duplicate	0.20	4.9	1.5	0.005	0.025	0.25	6.3	1.3	0.5	25	22.1	49	17	3.7	0.8	0.25	1.5	0.23	94.6
69-99T-230-2 Analytical Duplicate	0.30	4.9	1.5	0.005	0.025	0.25	6.3	1.1	0.5	25	22.3	48	19	3.7	0.8	0.25	1.6	0.23	95.9
69-99T-233	0.40	6.3	1.5	0.005	0.025	0.25	10.6	1.1	0.5	25	30.1	64	25	4.9	1.0	0.25	1.7	0.25	127.2
69-99T-234	0.20	5.5	1.5	0.005	0.025	1.30	8.0	1.4	0.5	25	25.6	54	20	4.1	0.8	0.25	1.5	0.23	106.5
69-99T-235	0.20	7.9	1.5	0.005	0.025	0.25	8.9	1.8	0.5	25	26.2	58	20	4.4	0.9	0.25	1.5	0.23	111.5
69-99T-236	0.20	4.5	1.5	0.005	0.025	0.90	6.3	1.9	0.5	25	20.5	44	16	3.5	0.7	0.25	1.5	0.23	86.7
69-99T-237	0.10	4.8	1.5	0.005	0.025	0.25	5.8	1.2	0.5	25	21.3	46	17	3.8	0.7	0.25	1.6	0.24	90.9
69-99T-238	0.30	4.7	1.5	0.005	0.025	0.25	6.9	1.8	0.5	25	22.8	49	18	3.9	0.9	0.25	1.8	0.26	96.9
69-99T-239	0.20	4.7	1.5	0.005	0.025	0.70	5.8	1.2	0.5	25	23.4	49	18	3.9	0.8	0.25	1.8	0.26	97.4
69-99T-240	0.20	4.9	1.5	0.005	0.025	0.25	6.3	1.0	0.5	25	23.6	48	17	4.0	0.9	0.25	1.5	0.24	95.5
69-99T-241	0.30	5.3	1.5	0.005	0.025	0.25	7.7	0.9	0.5	55	25.0	51	20	4.2	0.9	0.25	1.7	0.25	103.3
69-99T-242	0.10	4.8	1.5	0.005	0.025	0.25	6.6	1.7	0.5	25	21.8	49	17	3.8	0.8	0.25	1.6	0.24	94.5
69-99T-243	0.05	4.7	1.5	0.005	0.025	1.00	6.4	1.5	0.5	25	21.6	47	18	3.8	0.8	0.25	1.6	0.24	93.3
69-99T-245	0.05	4.2	1.5	0.005	0.025	0.25	5.4	1.1	0.5	25	19.4	43	16	3.6	0.8	0.25	1.8	0.26	85.1
69-99T-246	0.30	4.9	1.5	0.005	0.025	0.25	6.4	1.3	0.5	25	22.0	48	19	3.9	0.9	0.25	1.6	0.24	95.9
69-99T-248-1 Analytical Duplicate	0.30	4.8	1.5	0.005	0.025	0.25	6.4	2.2	0.5	25	24.5	48	16	3.9	0.8	0.25	1.6	0.24	95.3
69-99T-248-2 Analytical Duplicate	0.20	5.0	1.5	0.005	0.025	0.25	6.4	1.9	0.5	51	24.7	50	18	3.7	0.8	0.25	1.6	0.24	99.3
69-99T-249	0.05	5.5	1.5	0.005	0.025	0.25	11.2	2.2	0.5	25	30.9	59	26	4.2	0.1	0.25	1.4	0.22	122.1
69-99T-250	0.60	10.5	1.5	0.005	0.025	1.20	17.5	3.6	0.5	89	53.7	116	41	7.4	1.3	0.25	2.6	0.39	222.6
69-99T-251	0.05	4.2	1.5	0.005	0.025	1.00	6.3	1.5	0.5	25	24.0	48	24	4.0	0.9	0.25	1.7	0.25	103.1
69-99T-252	0.05	8.1	1.5	0.005	0.025	0.25	10.4	3.3	0.5	64	34.2	67	32	5.2	1.1	0.25	2.0	0.30	142.1
69-99T-253	0.30	4.8	1.5	0.005	0.025	0.25	6.9	1.4	0.5	25	24.5	49	23	3.9	0.9	0.25	1.7	0.24	103.5
69-99T-260	0.30	4.6	1.5	0.005	0.025	0.25	6.2	1.4	0.5	54	22.7	48	21	3.6	0.8	0.25	1.4	0.21	98.0
69-99T-261	0.50	5.9	1.5	0.005	0.025	0.25	9.1	1.8	0.5	25	30.9	64	28	5.0	1.0	0.25	2.0	0.30	131.5
69-99T-262	0.20	4.5	1.5	0.005	0.025	0.25	6.2	1.7	0.5	25	23.3	48	17	3.7	0.8	0.25	1.6	0.24	94.9
69-99T-263	0.20	4.1	1.5	0.005	0.025	0.25	5.6	1.4	0.5	25	20.8	43	16	3.6	0.8	0.25	1.7	0.25	86.4
69-99T-264	0.30	6.5	1.5	0.005	0.025	1.00	9.2	1.1	0.5	25	31.1	67	28	5.1	1.0	0.25	2.0	0.30	134.8
69-99T-265	0.40	4.1	1.5	0.005	0.025	0.25	4.9	1.3	0.5	25	20.1	41	19	3.5	0.8	0.25	1.5	0.21	86.4
69-99T-266	0.40	4.1	1.5	0.005	0.025	0.25	4.9	2.0	0.5	25	20.5	38	16	3.4	0.8	0.25	1.5	0.23	80.7
69-99T-267	0.50	5.1	1.5	0.005	0.025	0.25	6.4	2.4	0.5	25	24.5	46	22	3.8	0.9	0.25	1.5	0.23	99.2
69-99T-268	0.20	4.6	1.5	0.005	0.025	0.25	7.7	1.2	0.5	25	26.9	57	25	4.2	0.9	0.70	2.2	0.33	117.2
69-99T-269	0.20	5.0	1.5	0.005	0.025	0.25	6.5	1.7	0.5	25	23.8	51	19	3.8	0.9	0.25	1.9	0.31	101.0
69-99T-271	0.10	5.1	1.5	0.005	0.025	0.25	6.2	0.9	0.5	25	23.9	49	22	3.9	0.9	0.25	1.9	0.28	102.1
69-99T-272	0.20	6.2	1.5	0.005	0.025	0.25	8.5	1.5	0.5	25	28.7	61	28	4.3	1.0	0.25	1.8	0.26	125.3
69-99T-273	0.20	6.1	1.5	0.005	0.025	0.25	8.8	1.0	0.5	25	27.7	57	22	4.3	1.0	0.60	1.9	0.30	114.8
69-99T-274	0.20	5.1	1.5	0.005	0.025	1.60	8.4	2.0	0.5	25	27.0	57	25	4.2	0.9	0.80	2.1	0.31	117.3
69-99T-275	0.10	4.7	1.5	0.005	0.025	0.25	6.8	0.3	0.5	25	26.8	49	28	4.2	0.9	0.25	2.1	0.31	111.6
69-99T-276-1 Analytical Duplicate	0.20	5.2	1.5	0.005	0.025	0.25	7.3	1.6	0.5	25	24.3	50	25	4.0	0.9	0.25	1.7	0.27	106.4
69-99T-276-2 Analytical Duplicate	0.20	6.0	1.5	0.005	0.025	0.25	7.8	1.7	0.5	25	28.6	55	28	4.6	1.0	0.25	1.9	0.28	119.6

Sample Site	Sb	Sc	Se	Sn	Sr	Ta	Th	U	W	Zn	La	Ce	Nd	Sm	Eu	Tb	Yb	Lu	TREE
	ppm	ppm	ppm	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
69-99T-277	0.05	4.7	1.5	0.005	0.025	0.25	6.4	1.6	0.5	25	23.1	51	20	3.6	0.8	0.25	1.8	0.26	100.8
69-99T-278	0.30	4.6	1.5	0.005	0.025	0.25	6.5	1.3	0.5	25	23.1	50	22	3.6	0.8	0.25	1.6	0.24	101.6
69-99T-279	0.10	4.2	1.5	0.005	0.025	0.25	6.3	1.3	0.5	25	21.8	46	20	3.5	0.8	0.25	1.7	0.27	94.3
69-99T-281	0.30	4.7	1.5	0.005	0.025	0.25	7.6	1.1	0.5	25	24.6	50	22	3.9	0.9	0.25	1.9	0.30	103.9
69-99T-282	0.20	4.6	1.5	0.005	0.025	0.25	6.6	1.1	0.5	25	22.7	45	21	3.5	0.9	1.00	1.7	0.23	96.0
69-99T-284	0.30	4.7	1.5	0.005	0.050	0.25	6.1	1.9	0.5	25	23.2	48	23	3.6	0.9	0.50	1.6	0.27	101.1
69-99T-285	0.30	6.3	1.5	0.005	0.025	0.25	12.7	1.7	0.5	25	32.4	68	25	4.4	1.0	0.25	1.5	0.24	132.8
69-99T-286	0.20	5.1	1.5	0.005	0.025	0.25	10.7	2.1	0.5	25	29.3	63	25	4.4	1.0	0.60	2.0	0.30	125.6
69-99T-287	0.05	4.9	1.5	0.005	0.025	0.25	6.8	1.9	0.5	25	24.0	51	18	3.8	0.9	0.25	1.8	0.26	100.0
69-99T-288	0.20	5.3	1.5	0.005	0.025	0.25	8.0	1.7	0.5	25	25.4	55	22	3.9	0.8	0.70	1.8	0.26	109.9
69-99T-289	0.20	5.0	1.5	0.005	0.025	0.25	7.0	1.6	0.5	25	24.5	54	21	3.9	0.9	0.70	1.8	0.26	107.1
69-99T-290	0.20	5.5	1.5	0.005	0.025	0.25	8.3	1.1	0.5	25	27.5	58	24	4.2	0.9	0.60	1.7	0.25	117.2
69-99T-291	0.20	5.4	1.5	0.005	0.025	2.10	7.7	2.1	0.5	25	26.2	56	24	3.9	1.0	0.25	1.8	0.26	113.4
69-99T-292-1 Analytical Duplicate	0.20	5.2	1.5	0.005	0.050	0.25	7.4	1.1	0.5	25	25.2	55	21	4.0	0.9	0.25	1.8	0.26	108.4
69-99T-292-2 Analytical Duplicate	0.20	5.0	1.5	0.005	0.025	0.25	7.1	1.2	0.5	25	24.8	51	21	3.9	0.9	0.25	1.8	0.26	103.9
69-99T-293	0.20	4.7	1.5	0.005	0.025	0.25	8.3	1.2	0.5	25	26.7	57	23	4.2	0.9	0.25	2.1	0.31	114.5
69-99T-294	0.20	5.4	1.5	0.005	0.025	1.60	7.0	1.9	0.5	25	25.0	56	26	3.9	0.8	0.25	1.8	0.25	114.0
69-99T-295	0.30	4.8	1.5	0.005	0.025	0.25	6.3	1.8	0.5	78	23.1	47	20	3.7	0.8	0.25	1.8	0.26	96.9
69-99T-296	0.05	5.5	1.5	0.005	0.025	0.25	7.6	1.8	0.5	25	26.5	53	25	4.0	0.9	0.25	1.8	0.26	111.7
69-99T-297	0.20	5.0	1.5	0.005	0.025	0.25	7.3	2.0	0.5	25	24.4	52	21	3.8	0.9	0.25	1.8	0.26	104.4
69-99T-298	0.30	5.4	1.5	0.005	0.025	0.25	8.5	1.6	0.5	25	28.0	60	23	4.3	0.9	0.25	1.9	0.30	118.7
69-99T-299	0.30	7.0	1.5	0.005	0.025	2.10	8.2	1.2	0.5	25	27.0	57	24	4.3	1.0	0.25	2.1	0.31	116.0
69-99T-300	0.05	5.0	1.5	0.005	0.025	2.30	8.4	1.9	0.5	25	26.6	57	23	4.1	0.8	0.25	1.9	0.28	113.9
69-99T-301	0.10	4.6	1.5	0.005	0.025	0.25	9.3	2.1	2.0	25	29.5	61	26	4.4	0.9	0.60	2.3	0.34	125.0
69-99T-302	0.30	5.0	1.5	0.005	0.025	0.25	6.4	1.2	0.5	25	22.3	44	21	3.5	0.8	0.25	1.6	0.24	93.7
69-99T-303	0.30	4.5	1.5	0.005	0.025	0.25	5.9	1.0	0.5	25	21.9	46	18	3.4	0.8	0.25	1.6	0.23	92.2
69-99T-304	0.20	5.4	1.5	0.005	0.025	0.25	8.3	0.3	0.5	25	26.8	57	24	4.3	1.0	0.25	2.0	0.29	115.6
69-99T-305	0.30	4.3	1.5	0.005	0.025	0.25	6.8	1.2	0.5	25	22.1	47	20	3.5	0.8	0.25	1.7	0.26	95.6
69-99T-306	0.20	4.5	1.5	0.005	0.025	0.25	6.5	1.0	0.5	25	22.5	45	16	3.6	0.8	0.25	1.7	0.25	90.1
69-99T-308	0.20	4.6	1.5	0.005	0.025	0.25	7.5	1.8	0.5	25	25.9	53	25	3.9	0.9	0.25	2.0	0.30	111.3
69-99T-310	0.20	4.0	1.5	0.005	0.025	0.25	5.9	1.1	0.5	25	21.2	45	18	3.3	0.8	0.50	1.6	0.24	90.6
69-99T-311	0.20	4.0	1.5	0.005	0.025	0.25	5.4	1.4	0.5	25	19.3	39	16	3.1	0.8	0.25	1.6	0.24	80.3
69-99T-312	0.20	4.5	1.5	0.005	0.025	0.25	6.9	1.2	0.5	25	23.4	47	18	3.7	0.9	0.25	1.6	0.24	95.1
69-99T-314-1 Analytical Duplicate	0.20	5.2	1.5	0.005	0.025	0.25	7.2	1.2	0.5	25	23.9	49	22	3.7	0.8	0.25	1.6	0.24	101.5
69-99T-314-2 Analytical Duplicate	0.20	5.5	1.5	0.005	0.025	1.30	7.2	1.6	0.5	25	23.5	48	19	3.7	0.8	0.25	1.5	0.24	97.0
69-99T-315	0.20	5.4	1.5	0.005	0.025	0.25	7.6	2.0	0.5	25	24.7	52	20	3.7	0.8	0.60	1.6	0.23	103.6
69-99T-316	0.20	5.1	1.5	0.005	0.025	0.25	8.0	1.8	0.5	25	25.0	51	21	3.7	0.9	0.25	1.6	0.24	103.7
69-99T-317	0.05	6.4	1.5	0.005	0.025	0.25	8.9	1.1	0.5	25	27.5	58	28	4.1	0.9	0.25	2.0	0.30	121.1
69-99T-319	0.05	5.0	1.5	0.005	0.025	0.25	7.0	1.5	0.5	50	22.4	49	20	3.5	0.8	0.25	1.5	0.24	97.7
69-99T-320	0.20	4.9	1.5	0.005	0.025	0.25	6.6	1.2	0.5	25	23.3	51	21	3.7	0.9	0.25	2.0	0.30	102.5
69-99T-322	0.05	3.8	1.5	0.005	0.025	0.25	6.2	2.2	0.5	25	18.7	38	17	3.1	0.7	0.25	1.5	0.23	79.5
69-99T-324	0.20	4.0	1.5	0.005	0.025	0.25	5.2	1.1	0.5	25	19.2	39	16	3.1	0.8	0.25	1.5	0.23	80.1
69-99T-325	0.30	5.2	1.5	0.005	0.025	1.00	7.4	1.6	0.5	25	25.3	55	20	4.0	0.9	0.25	1.9	0.27	107.6
69-99T-326	0.20	4.9	1.5	0.005	0.025	1.30	6.7	1.8	0.5	59	22.7	48	19	3.5	0.8	0.50	1.6	0.24	96.3
69-99T-327	0.05	4.4	1.5	0.005	0.025	1.30	5.9	1.1	0.5	25	20.8	45	17	3.3	0.8	0.25	1.6	0.23	89.0
69-99T-328	0.05	4.4	1.5	0.005	0.025	0.25	6.0	1.5	0.5	25	23.2	49	18	3.6	0.8	0.25	1.8	0.25	96.9
69-99T-329-1 Analytical Duplicate	0.20	4.3	1.5	0.005	0.025	0.25	6.5	1.4	0.5	25	21.3	46	18	3.3	0.7	0.25	1.6	0.24	91.4
69-99T-329-2 Analyticai Duplicate	0.20	4.4	1.5	0.005	0.050	0.25	6.5	1.5	0.5	25	22.1	46	19	3.4	0.7	0.25	1.7	0.25	93.4
69-99T-330	0.20	5.2	1.5	0.005	0.025	1.40	7.5	1.8	0.5	25	25.9	53	22	3.9	1.0	0.25	1.7	0.25	108.0

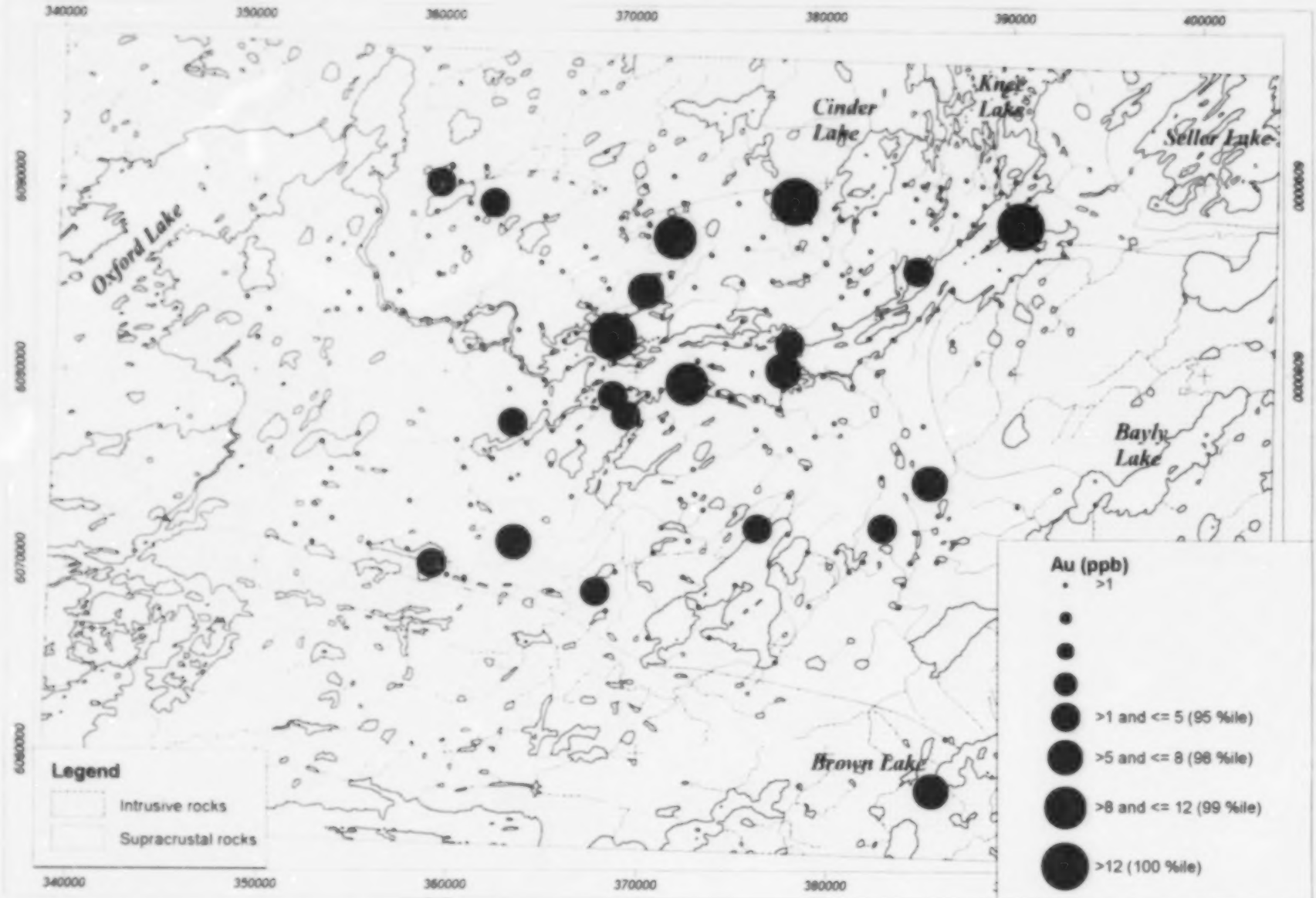
Sample Site	Sb	Sc	Se	Sn	Sr	Ta	Th	U	W	Zn	La	Ce	Nd	Sm	Eu	Tb	Yb	Lu	TREE
	ppm	ppm	ppm	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
69-99T-331	0.20	4.7	1.5	0.005	0.025	1.00	6.8	1.3	0.5	25	24.2	50	21	3.7	0.9	0.25	1.7	0.24	102.0
69-99T-332	0.20	4.6	1.5	0.005	0.025	0.25	6.1	1.1	0.5	25	23.2	52	20	3.7	0.9	0.25	1.6	0.24	101.9
69-99T-334	0.30	6.0	1.5	0.005	0.025	0.25	8.4	1.9	0.5	25	27.7	60	24	4.2	1.0	0.25	2.0	0.30	119.5
69-99T-335	0.05	5.6	1.5	0.005	0.025	0.25	12.0	1.8	0.5	51	29.1	63	25	3.8	0.8	0.25	1.4	0.21	123.6
69-99T-338	0.05	4.9	1.5	0.005	0.025	0.25	7.3	1.7	0.5	25	26.4	55	24	4.0	0.9	0.25	1.9	0.28	112.7
69-99T-341	0.30	4.8	1.5	0.005	0.025	0.25	6.6	1.9	0.5	25	24.0	53	21	3.7	0.8	0.25	1.8	0.26	104.8
69-99T-343	0.10	4.3	1.5	0.005	0.025	0.25	6.2	1.6	0.5	25	21.9	45	16	3.5	0.7	0.25	1.7	0.26	89.3
69-99T-344	0.20	5.6	1.5	0.005	0.025	0.25	6.9	1.8	0.5	25	23.9	51	21	3.9	0.8	0.25	1.8	0.26	102.9
69-99T-345	0.10	4.9	1.5	0.005	0.025	0.25	6.1	1.9	0.5	69	22.1	47	20	3.5	0.8	0.25	1.5	0.24	95.4
69-99T-346	0.05	4.4	1.5	0.005	0.025	0.25	6.3	1.5	0.5	25	22.0	44	20	3.6	0.8	0.25	1.8	0.26	92.7
69-99T-347	0.20	5.1	1.5	0.005	0.025	0.25	6.6	1.2	0.5	25	23.5	52	24	3.8	0.9	0.25	1.8	0.30	106.6
69-99T-349	0.20	5.6	1.5	0.005	0.025	0.25	7.3	1.6	0.5	25	26.0	57	22	4.0	0.9	0.25	1.8	0.28	112.2
69-99T-350	0.20	4.6	1.5	0.005	0.025	0.25	6.9	1.2	0.5	25	22.1	46	18	3.6	0.8	0.50	1.7	0.36	93.1
69-99T-351	0.05	4.6	1.5	0.005	0.025	0.25	9.6	0.8	1.0	25	23.8	50	20	3.3	0.7	0.25	1.2	0.19	99.4

Duplicate Pair INA Analyses For The <63 Micron Size Fraction Of Till Samples.

Sample Site	UTM		Au	Ag	As	Ba	Br	Ca	Co	Cr	Cs	Fe	Hf	Hg	Ir	Mo	Na	Ni	Rb
	Easting	Northing	ppb	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm
69-99T-21-1 Analytical Duplicate	384823.47	6085301.09	1	2.5	1.7	280	4.9	14	4	30	1.0	1.02	6	0.5	2.5	0.5	0.95	10.0	53
69-99T-21-2 Analytical Duplicate	384823.47	6085301.09	3	2.5	1.7	330	4.2	17	4	23	0.5	1.07	6	0.5	2.5	2.0	0.96	11.0	55
69-99T-41-1 Analytical Duplicate	391167.56	6086589.75	1	2.5	2.0	370	4.7	14	3	31	1.0	1.07	6	0.5	2.5	0.5	1.07	10.0	34
69-99T-41-2 Analytical Duplicate	391167.56	6086589.75	1	2.5	2.3	390	4.7	14	4	34	1.0	1.12	6	0.5	2.5	0.5	1.06	10.5	36
69-99T-73-1 Analytical Duplicate	370656.16	6087109.32	1	2.5	2.7	470	5.9	15	5	39	1.0	1.45	7	0.5	2.5	0.5	1.11	10.0	58
69-99T-73-2 Analytical Duplicate	370656.16	6087109.32	1	2.5	2.0	370	5.6	15	5	34	0.5	1.18	7	0.5	2.5	2.0	1.11	10.0	38
69-99T-82-1 Analytical Duplicate	372516.50	6088851.06	1	2.5	2.8	420	4.3	14	4	32	1.0	1.06	7	0.5	2.5	0.5	1.14	10.0	29
69-99T-82-2 Analytical Duplicate	372516.50	6088851.06	1	2.5	2.9	410	4.4	14	4	29	1.0	1.07	7	0.5	2.5	0.5	1.09	10.0	58
69-99T-124-1 Analytical Duplicate	362147.22	6090729.66	1	2.5	2.4	390	5.4	16	6	35	1.0	1.34	6	0.5	2.5	0.5	0.98	10.0	56
69-99T-124-2 Analytical Duplicate	362147.22	6090729.66	1	2.5	2.5	420	5.6	17	6	36	1.0	1.37	6	0.5	2.5	0.5	1.00	10.0	52
69-99T-145-1 Analytical Duplicate	365012.13	6082425.90	1	2.5	0.8	380	5.2	16	4	28	0.5	0.89	6	0.5	2.5	1.0	1.05	10.0	49
69-99T-145-2 Analytical Duplicate	365012.13	6082425.90	1	2.5	0.9	360	5.0	16	3	30	0.5	0.85	6	0.5	2.5	1.0	1.01	10.0	33
69-99T-219-1 Analytical Duplicate	367825.77	6068425.98	8	2.5	1.6	380	4.4	12	4	28	2.0	1.08	6	0.5	2.5	0.5	1.12	10.0	40
69-99T-219-2 Analytical Duplicate	367825.77	6068425.98	1	2.5	1.7	390	4.6	13	4	31	1.0	1.11	7	0.5	2.5	0.5	1.13	10.0	46
69-99T-230-1 Analytical Duplicate	355405.44	6076684.24	1	2.5	2.9	440	7.3	18	5	39	1.0	1.46	6	0.5	2.5	0.5	1.03	10.0	41
69-99T-230-2 Analytical Duplicate	355405.44	6076684.24	1	2.5	3.0	420	6.5	18	5	37	2.0	1.40	6	0.5	2.5	0.5	1.01	10.0	42
69-99T-248-1 Analytical Duplicate	363998.87	6080166.06	1	2.5	2.6	360	4.4	17	5	38	1.0	1.18	7	0.5	2.5	0.5	1.10	10.0	39
69-99T-248-2 Analytical Duplicate	363998.87	6080166.06	1	2.5	2.4	400	4.3	16	5	39	1.0	1.27	6	0.5	2.5	0.5	1.09	10.0	41
69-99T-276-1 Analytical Duplicate	385148.66	6077248.38	1	2.5	3.5	420	6.5	16	5	41	2.0	1.38	7	0.5	2.5	2.0	1.12	12.5	56
69-99T-276-2 Analytical Duplicate	385148.66	6077248.38	1	2.5	3.5	470	7.0	15	5	44	2.0	1.52	8	0.5	2.5	1.0	1.24	12.5	48
69-99T-292-1 Analytical Duplicate	372658.22	6079359.51	15	2.5	2.4	370	4.4	17	5	35	1.0	1.30	7	0.5	2.5	2.0	1.12	12.0	42
69-99T-292-2 Analytical Duplicate	372658.22	6079359.51	2	2.5	2.5	430	4.2	16	5	35	0.5	1.27	6	0.5	2.5	3.0	1.10	11.5	37
69-99T-314-1 Analytical Duplicate	380441.27	6077362.52	1	2.5	2.6	420	5.2	16	6	40	1.0	1.41	5	0.5	2.5	0.5	1.03	10.5	29
69-99T-314-2 Analytical Duplicate	380441.27	6077362.52	1	2.5	2.4	390	4.7	16	6	43	2.0	1.50	5	0.5	2.5	0.5	1.03	10.0	26
69-99T-329-1 Analytical Duplicate	373524.62	6072776.30	1	2.5	2.2	400	4.6	15	4	31	1.0	1.07	7	0.5	2.5	0.5	1.06	10.0	42
69-99T-329-2 Analytical Duplicate	373524.62	6072776.30	1	2.5	2.4	370	4.9	16	4	32	1.0	1.08	6	0.5	2.5	0.5	1.09	10.0	39

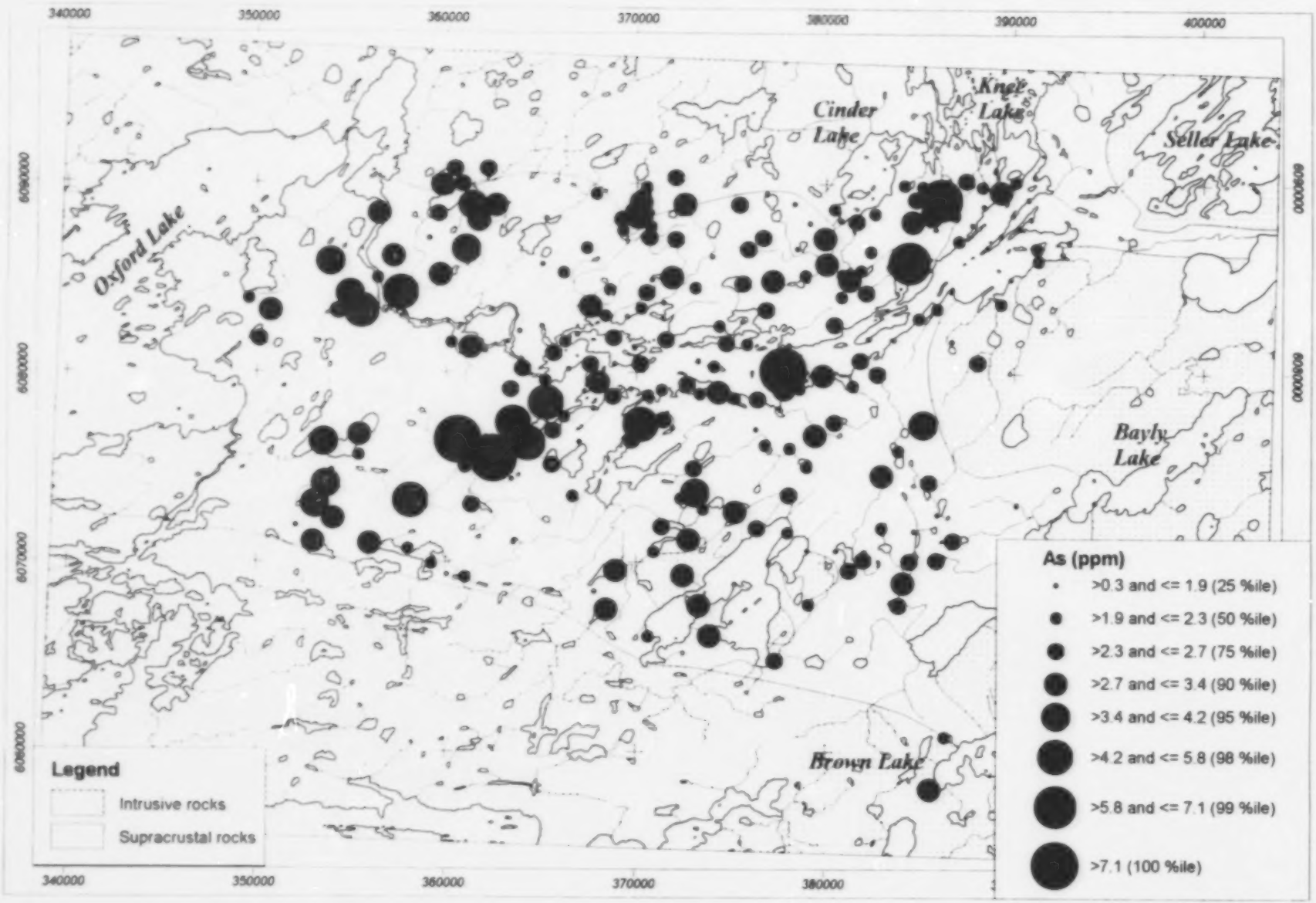
Sample Site	Sb ppm	Sc ppm	Se ppm	Sn %	Sr %	Ta ppm	Th ppm	U ppm	W ppm	Zn ppm	La ppm	Ce ppm	Nd ppm	Sm ppm	Eu ppm	Tb ppm	Yb ppm	Lu ppm	TREE ppm
69-99T-21-1 Analytical Duplicate	0.20	4.3	1.5	0.005	0.025	0.25	6.5	1.3	0.5	25	22.5	45	20	3.4	0.7	0.25	1.6	0.24	93.7
69-99T-21-2 Analytical Duplicate	0.20	4.3	1.5	0.005	0.025	0.25	7.2	1.6	0.5	25	23.1	43	15	3.4	0.7	0.25	1.5	0.24	87.2
69-99T-41-1 Analytical Duplicate	0.05	4.6	1.5	0.005	0.025	0.25	5.9	1.3	0.5	25	21.7	41	19	3.2	0.8	0.25	1.4	0.21	87.6
69-99T-41-2 Analytical Duplicate	0.05	4.8	1.5	0.005	0.025	0.25	5.7	1.4	0.5	25	22.1	42	19	3.3	0.7	0.25	1.3	0.20	88.9
69-99T-73-1 Analytical Duplicate	0.30	5.2	1.5	0.005	0.025	0.25	7.0	1.7	0.5	25	23.8	48	20	3.8	0.9	0.25	1.8	0.26	98.8
69-99T-73-2 Analytical Duplicate	0.30	4.6	1.5	0.005	0.025	0.25	6.9	1.5	0.5	25	22.0	48	21	3.7	0.8	0.25	1.8	0.26	97.8
69-99T-82-1 Analytical Duplicate	0.05	4.3	1.5	0.005	0.025	0.25	6.8	1.4	0.5	25	22.1	46	18	3.5	0.8	0.25	1.8	0.26	92.7
69-99T-82-2 Analytical Duplicate	0.05	4.2	1.5	0.005	0.025	0.25	6.6	1.5	0.5	25	21.8	46	19	3.4	0.8	0.25	1.8	0.26	93.3
69-99T-124-1 Analytical Duplicate	0.20	5.0	1.5	0.005	0.025	0.25	6.3	1.4	0.5	25	21.8	48	17	3.4	0.8	0.25	1.6	0.24	93.1
69-99T-124-2 Analytical Duplicate	0.10	5.0	1.5	0.005	0.025	0.25	6.9	1.4	0.5	25	21.9	48	16	3.5	0.8	0.25	1.6	0.24	92.3
69-99T-145-1 Analytical Duplicate	0.05	4.2	1.5	0.005	0.025	0.60	5.7	1.0	0.5	25	18.6	42	16	3.5	0.8	0.25	1.7	0.25	83.1
69-99T-145-2 Analytical Duplicate	0.05	4.1	1.5	0.005	0.025	0.90	5.2	1.1	0.5	25	18.5	41	15	3.3	0.8	0.25	1.6	0.24	80.7
69-99T-219-1 Analytical Duplicate	0.20	4.4	1.5	0.005	0.025	0.25	5.3	1.1	0.5	25	21.3	40	16	3.1	0.8	0.25	1.6	0.24	83.3
69-99T-219-2 Analytical Duplicate	0.20	4.6	1.5	0.005	0.025	0.25	5.8	1.2	0.5	25	22.7	42	15	3.2	0.8	0.25	1.5	0.23	85.7
69-99T-230-1 Analytical Duplicate	0.20	4.9	1.5	0.005	0.025	0.25	6.3	1.3	0.5	25	22.1	49	17	3.7	0.8	0.25	1.5	0.23	94.6
69-99T-230-2 Analytical Duplicate	0.30	4.9	1.5	0.005	0.025	0.25	6.3	1.1	0.5	25	22.3	48	19	3.7	0.8	0.25	1.6	0.23	95.9
69-99T-248-1 Analytical Duplicate	0.30	4.8	1.5	0.005	0.025	0.25	6.4	2.2	0.5	25	24.5	48	16	3.9	0.8	0.25	1.6	0.24	95.3
69-99T-248-2 Analytical Duplicate	0.20	5.0	1.5	0.005	0.025	0.25	6.4	1.9	0.5	51	24.7	50	18	3.7	0.8	0.25	1.6	0.24	99.3
69-99T-276-1 Analytical Duplicate	0.20	5.2	1.5	0.005	0.025	0.25	7.3	1.6	0.5	25	24.3	50	25	4.0	0.9	0.25	1.7	0.27	106.4
69-99T-276-2 Analytical Duplicate	0.20	6.0	1.5	0.005	0.025	0.25	7.8	1.7	0.5	25	28.6	55	28	4.6	1.0	0.25	1.9	0.28	119.6
69-99T-292-1 Analytical Duplicate	0.20	5.2	1.5	0.005	0.050	0.25	7.4	1.1	0.5	25	25.2	55	21	4.0	0.9	0.25	1.8	0.26	108.4
69-99T-292-2 Analytical Duplicate	0.20	5.0	1.5	0.005	0.025	0.25	7.1	1.2	0.5	25	24.8	51	21	3.9	0.9	0.25	1.8	0.26	103.9
69-99T-314-1 Analytical Duplicate	0.20	5.2	1.5	0.005	0.025	0.25	7.2	1.2	0.5	25	23.9	49	22	3.7	0.8	0.25	1.6	0.24	101.5
69-99T-314-2 Analytical Duplicate	0.20	5.5	1.5	0.005	0.025	1.30	7.2	1.6	0.5	25	23.5	48	19	3.7	0.8	0.25	1.5	0.24	97.0
69-99T-329-1 Analytical Duplicate	0.20	4.3	1.5	0.005	0.025	0.25	6.5	1.4	0.5	25	21.3	46	18	3.3	0.7	0.25	1.6	0.24	91.4
69-99T-329-2 Analytical Duplicate	0.20	4.4	1.5	0.005	0.050	0.25	6.5	1.5	0.5	25	22.1	46	19	3.4	0.7	0.25	1.7	0.25	93.4

INA Percentile Bubble Plots For The <63 Micron Size Fraction Of Till Samples.



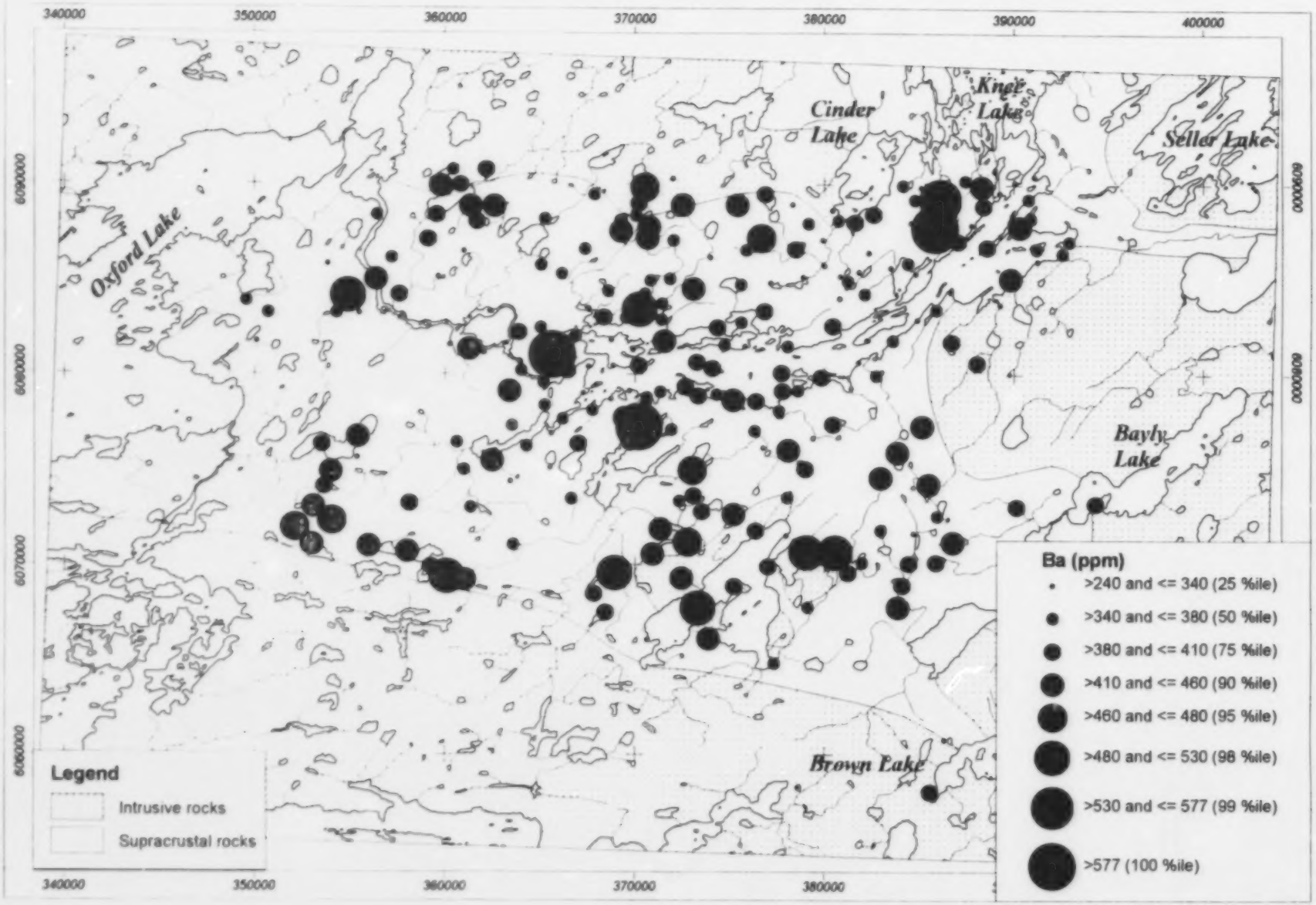
Till (<63 micron) - 239 samples
INAA

Appendix T-6-1



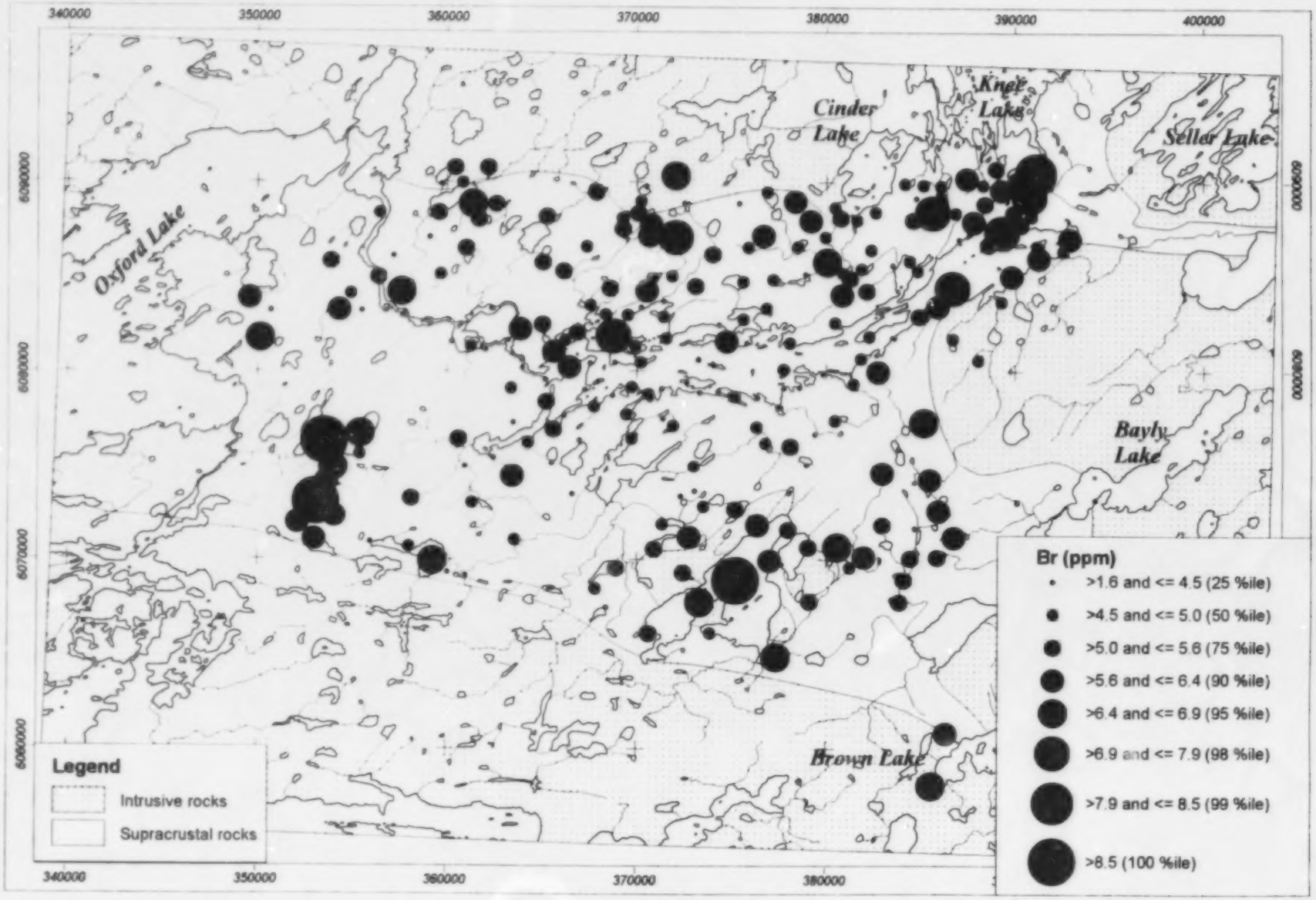
Till (<63 micron) - 239 samples
INAA

Appendix T-6-2



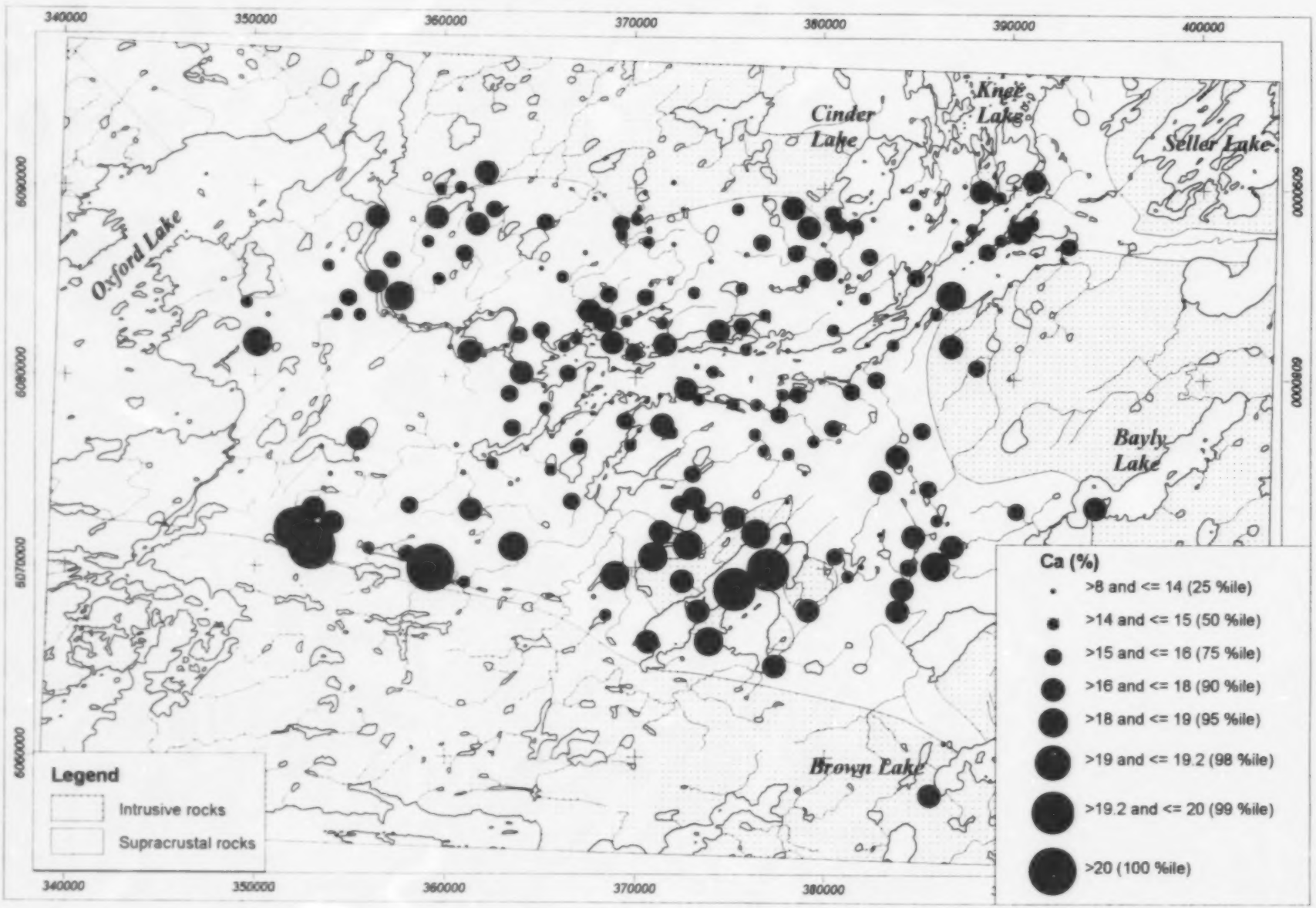
Till (<63 micron) - 239 samples
INAA

Appendix T-6-3



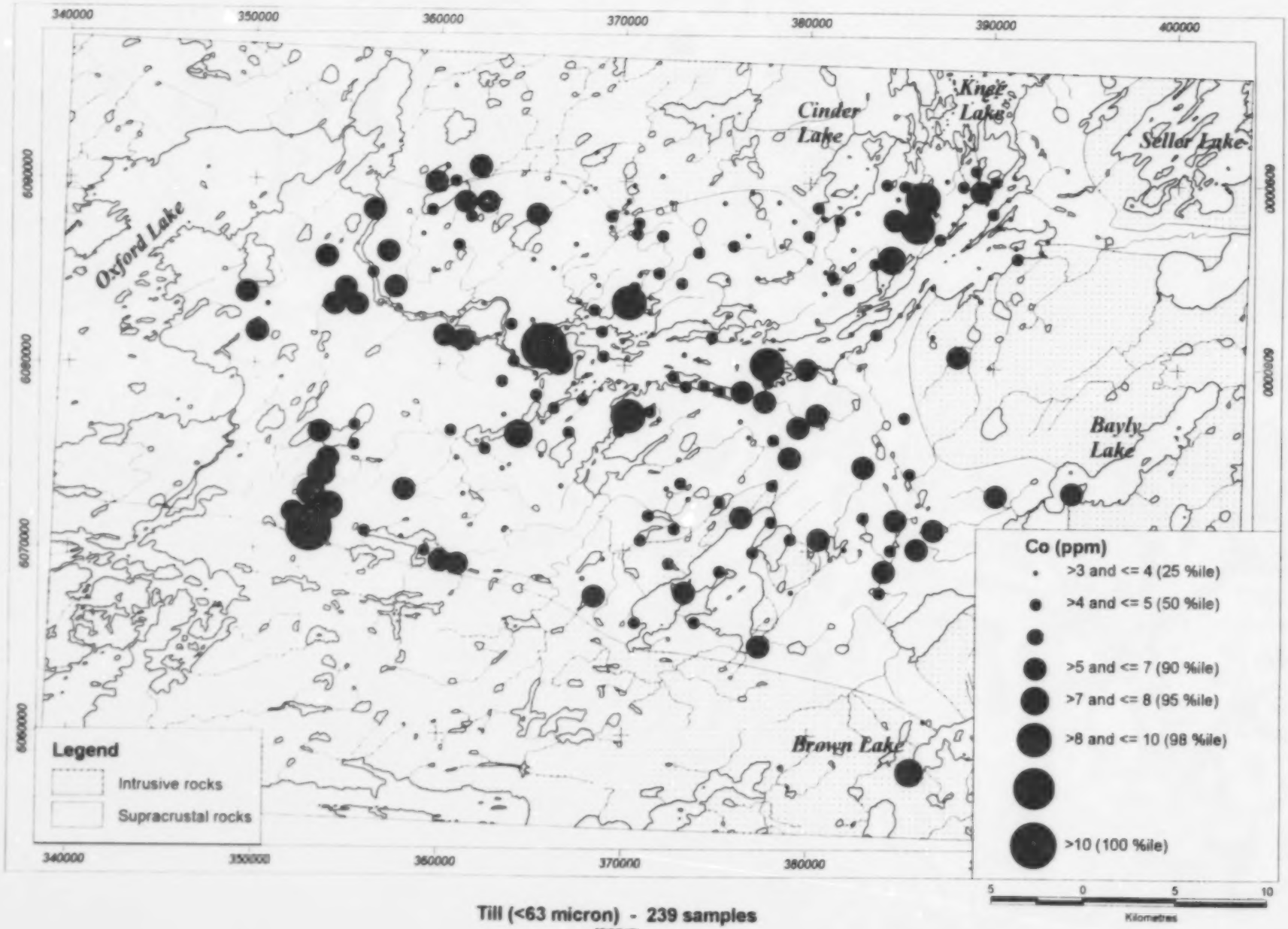
Till (<63 micron) - 239 samples
INAA

Appendix T-6-4



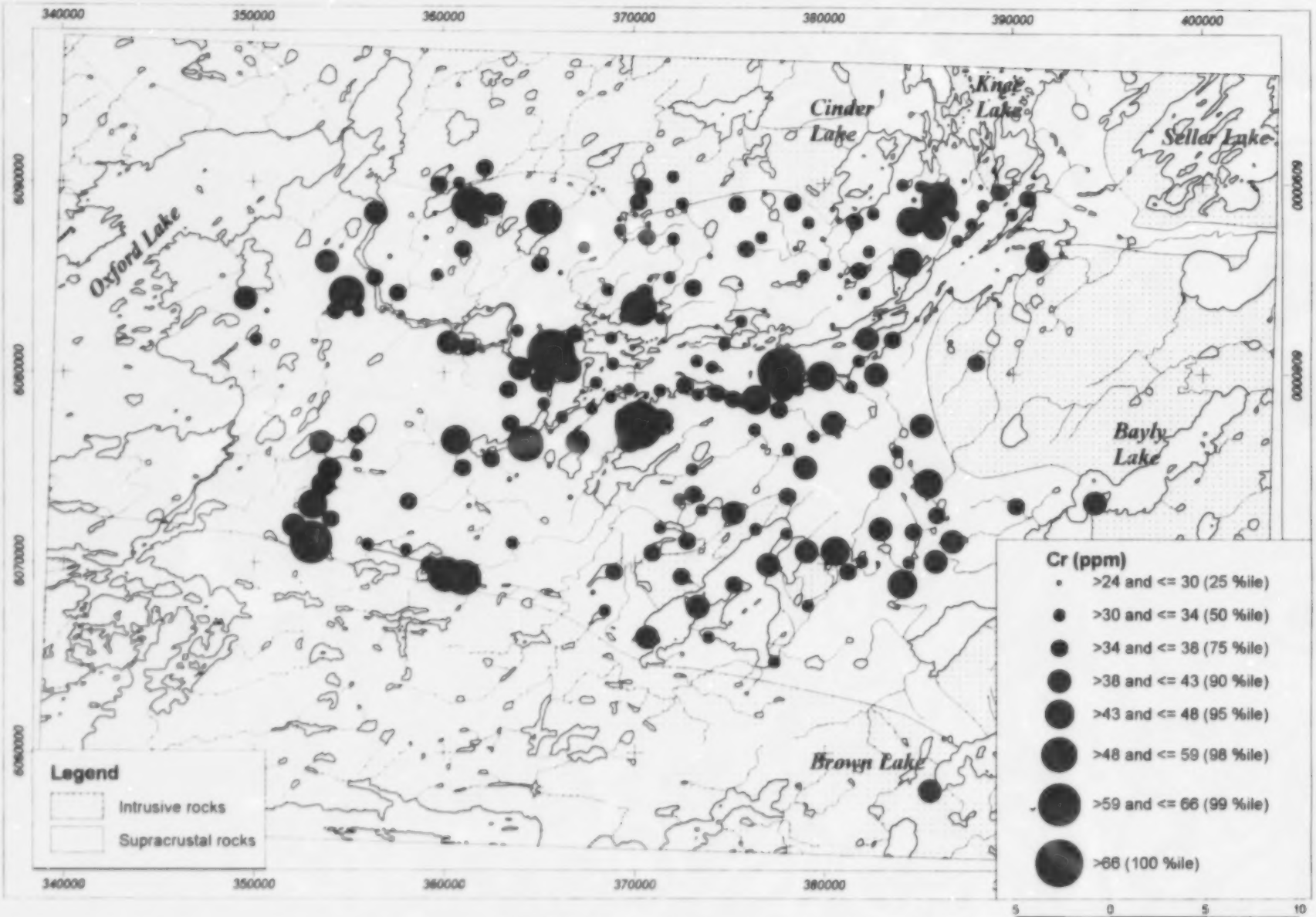
Till (<63 micron) - 239 samples
INAA

Appendix T-6-5



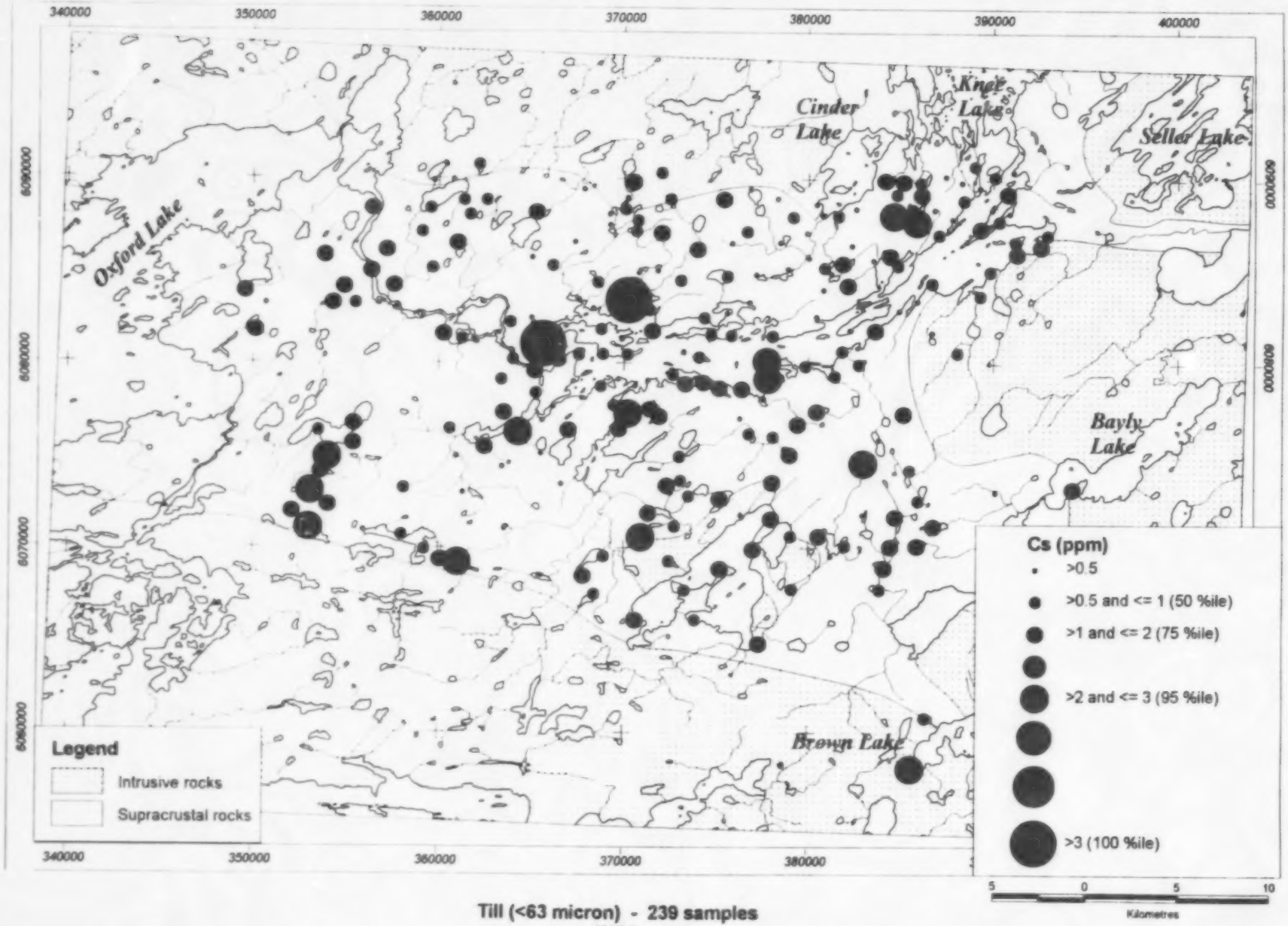
Till (<63 micron) - 239 samples
INAA

Appendix T-6-6



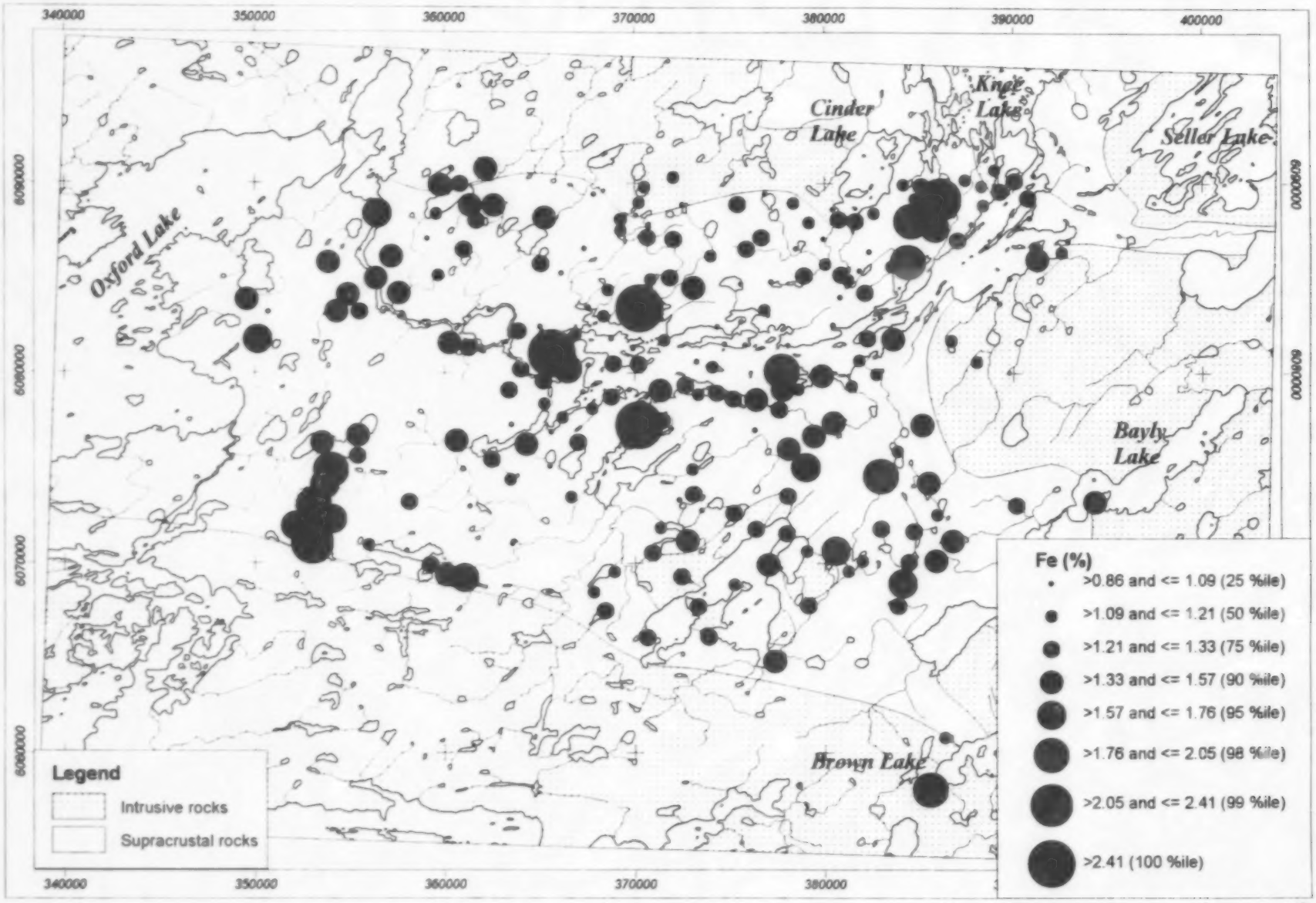
Till (<63 micron) - 239 samples
INAA

Appendix T-6-7



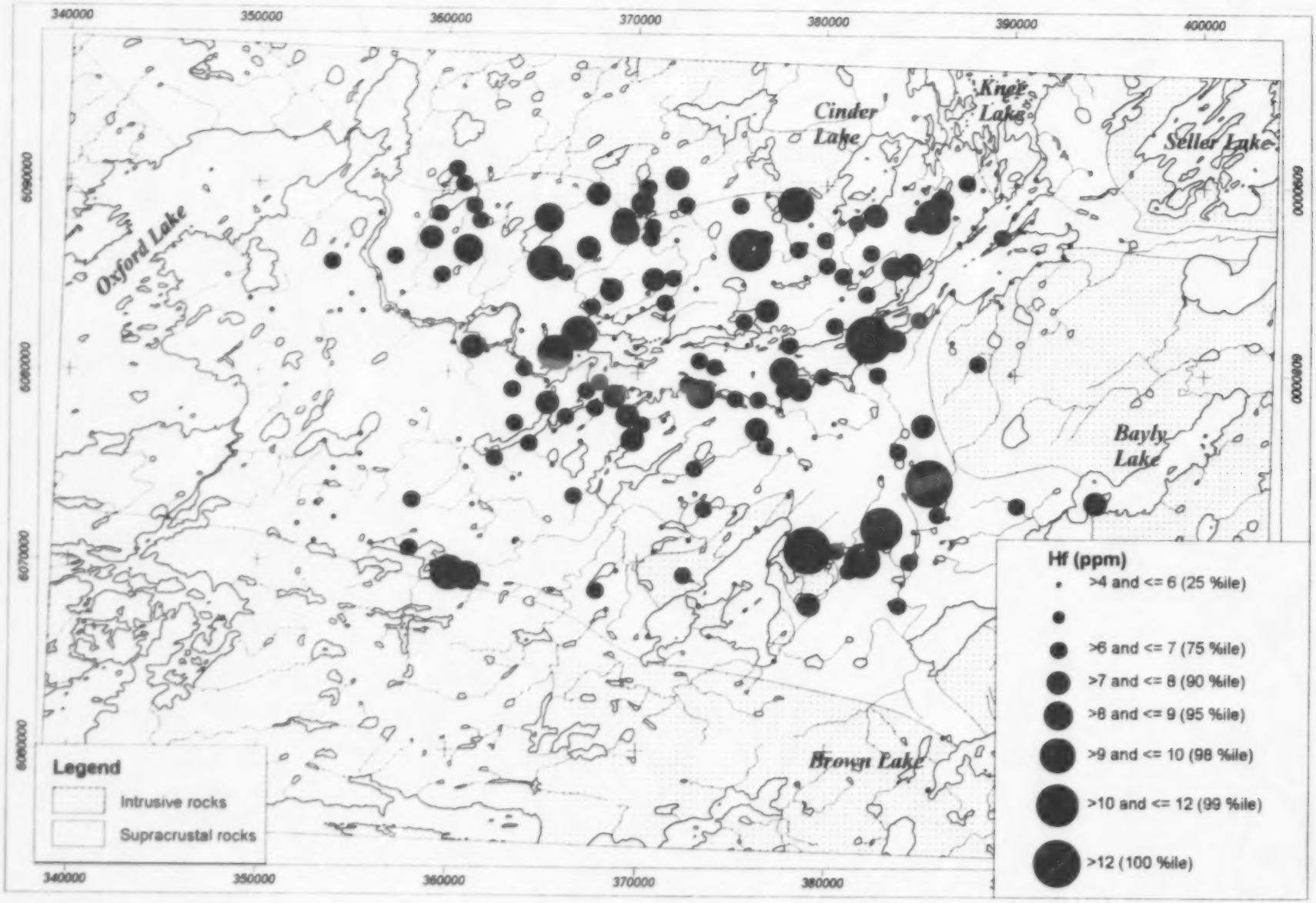
Till (<63 micron) - 239 samples
INAA

Appendix T-6-8



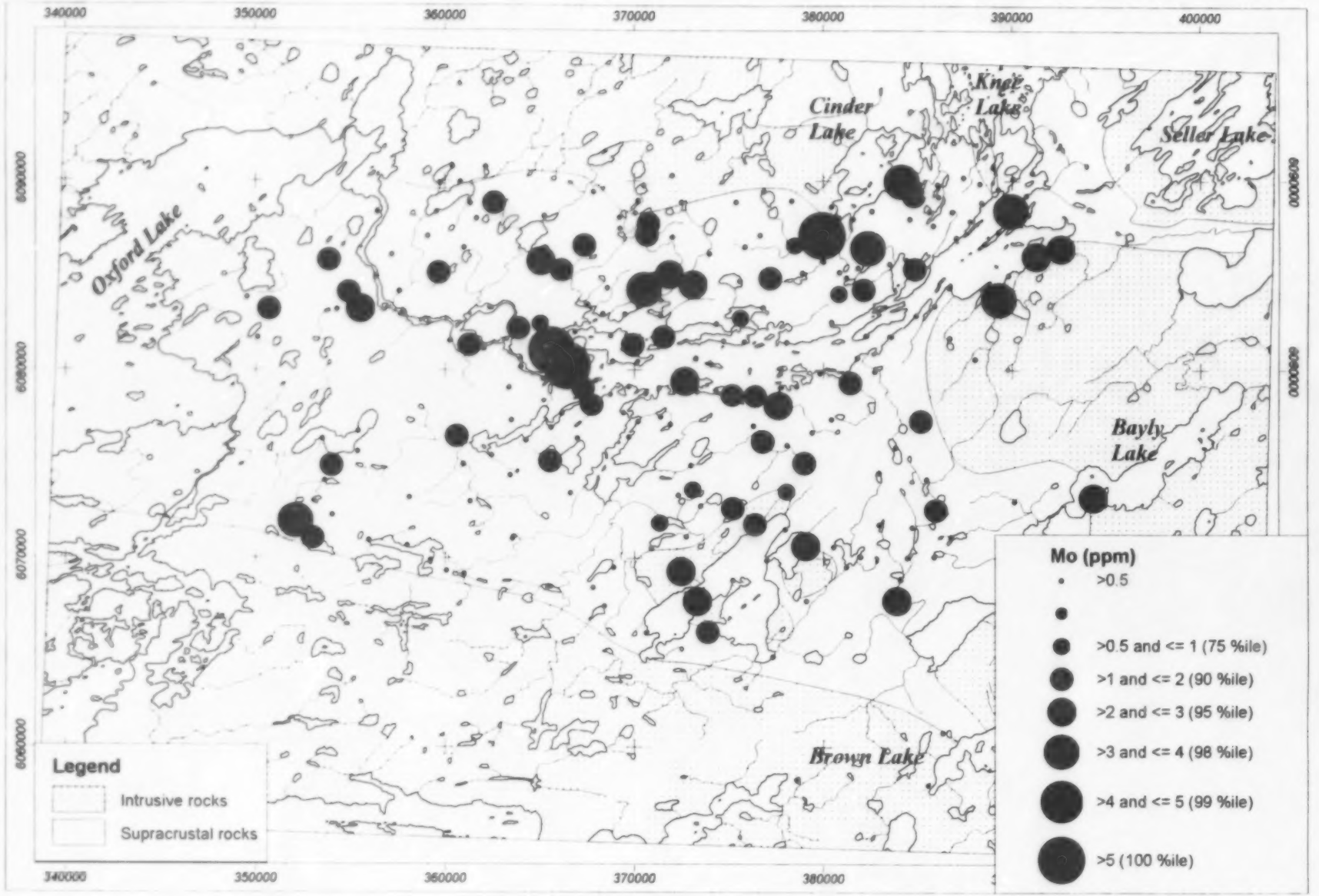
Till (<63 micron) - 239 samples
INAA

Appendix T-6-9

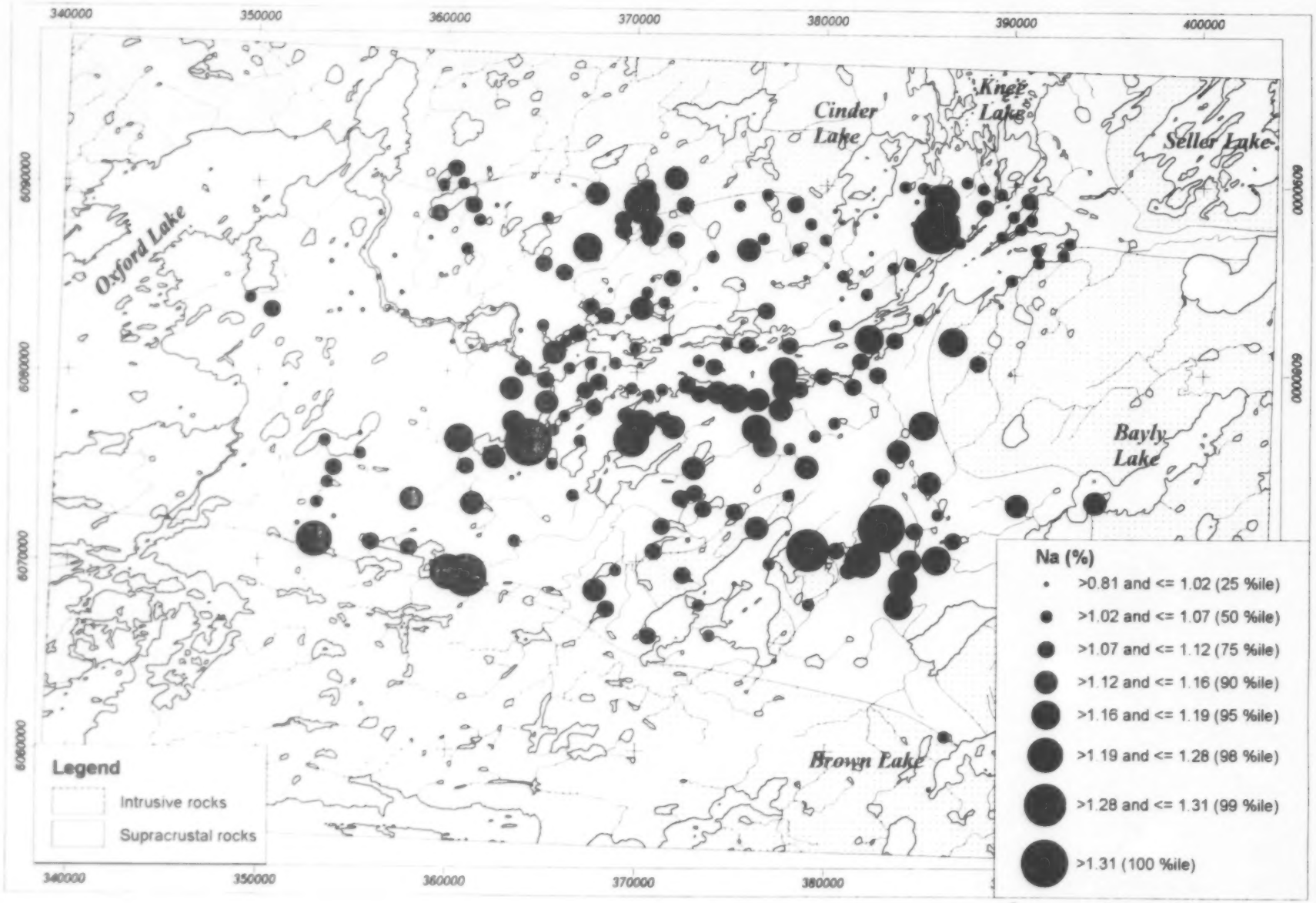


Till (<63 micron) - 239 samples
INAA

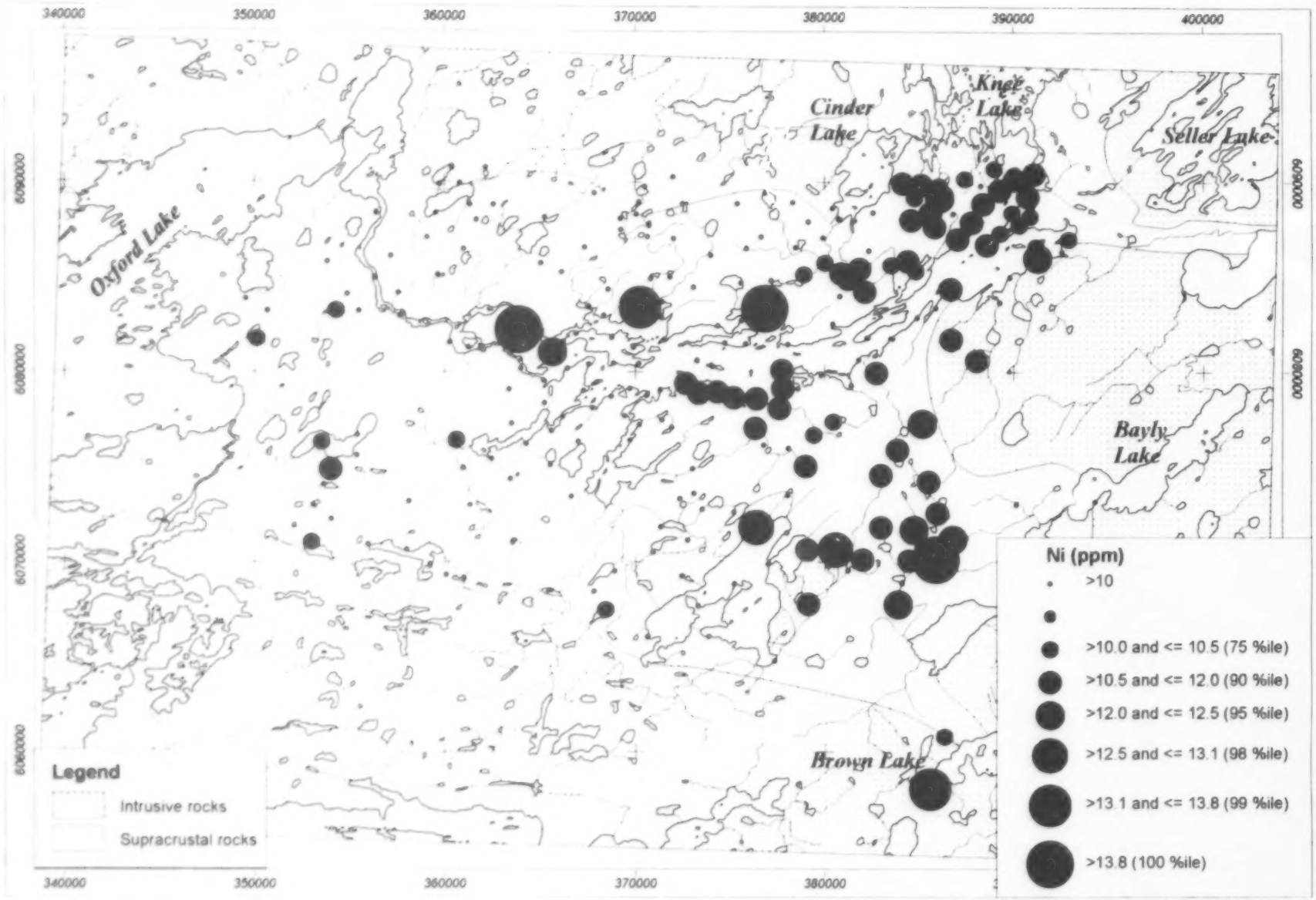
Appendix T-6-10



Till (<63 micron) - 239 samples
INAA

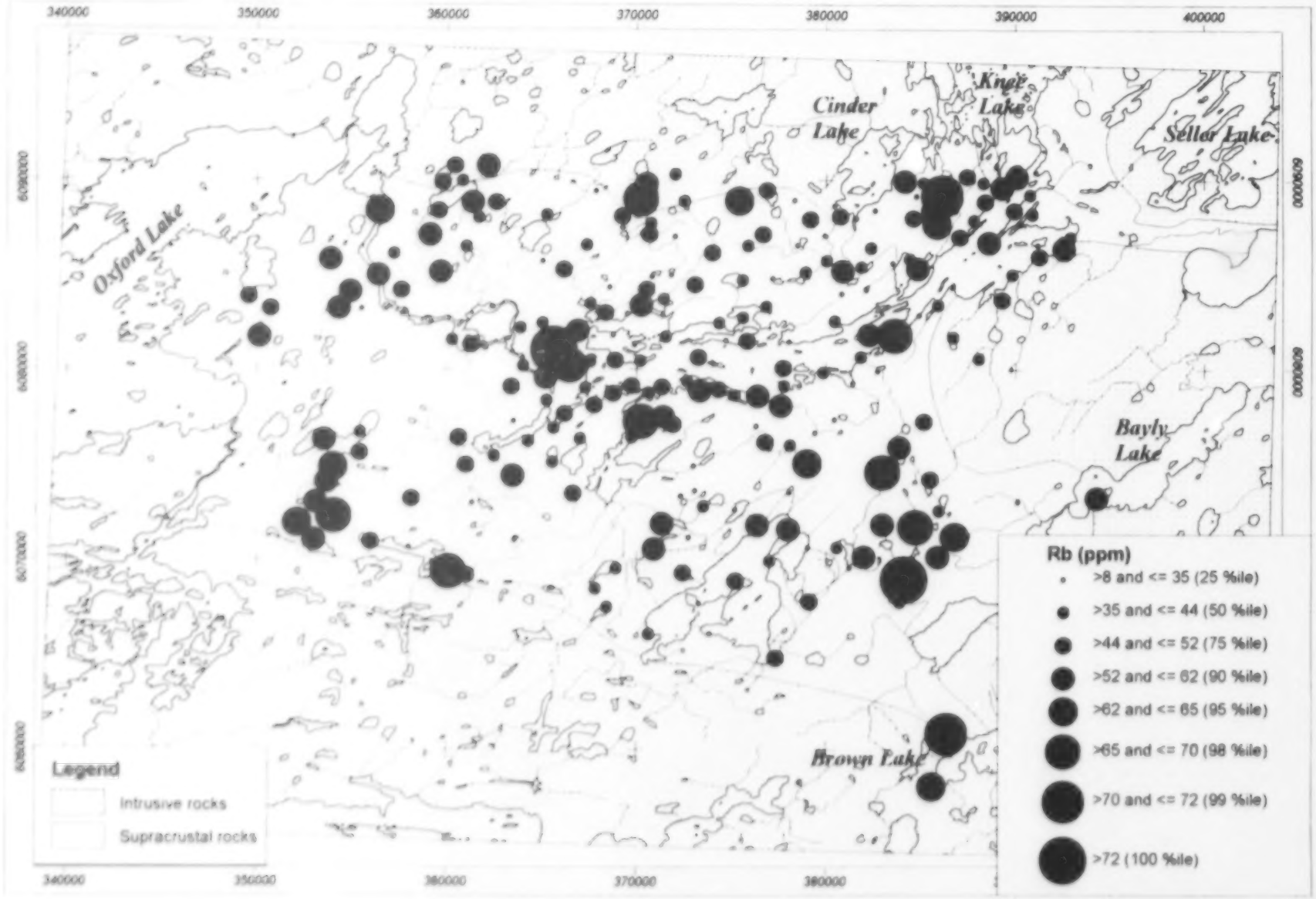


Till (<63 micron) - 239 samples
INAA

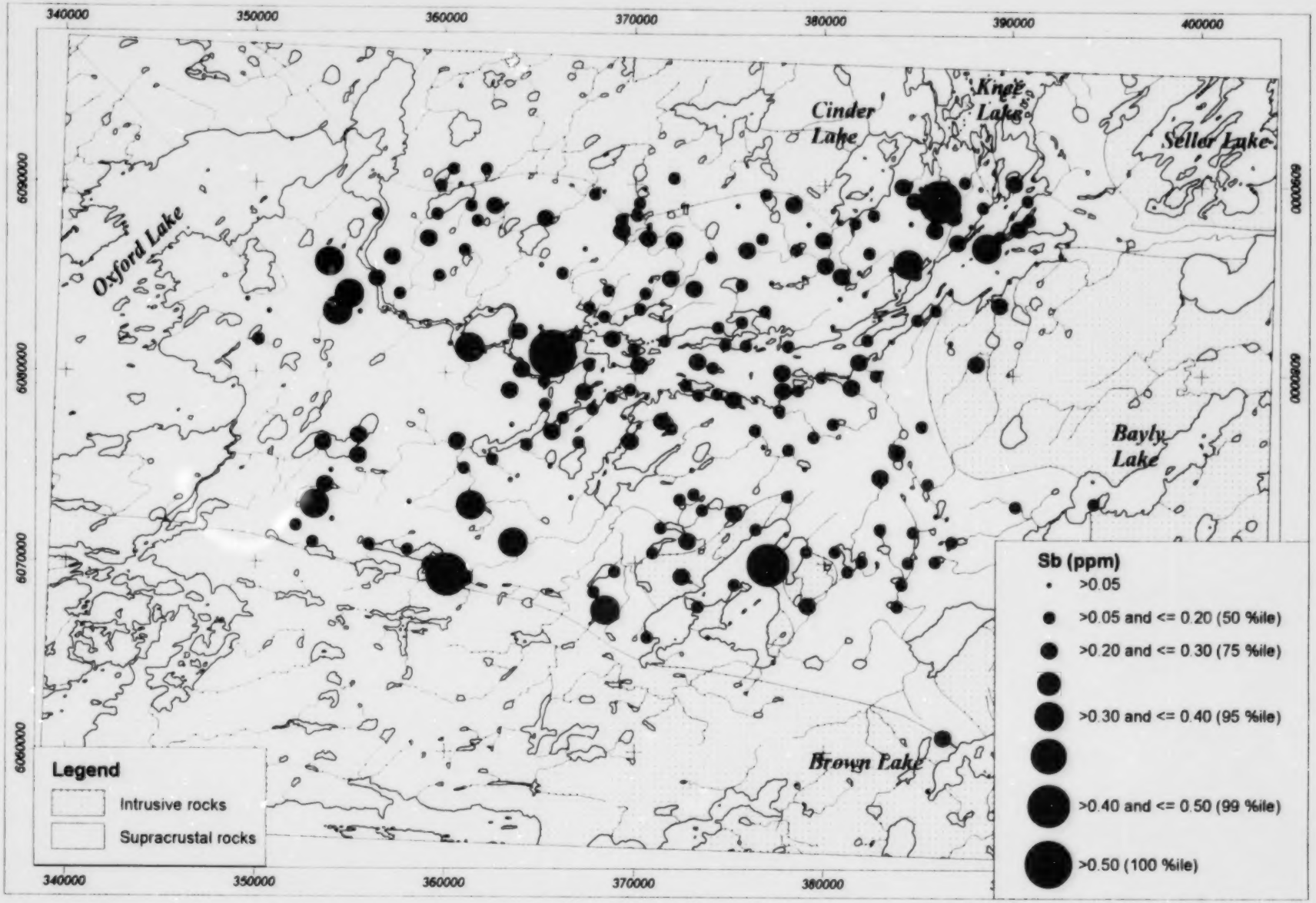


Till (<63 micron) - 239 samples
INAA

Appendix T-6-13

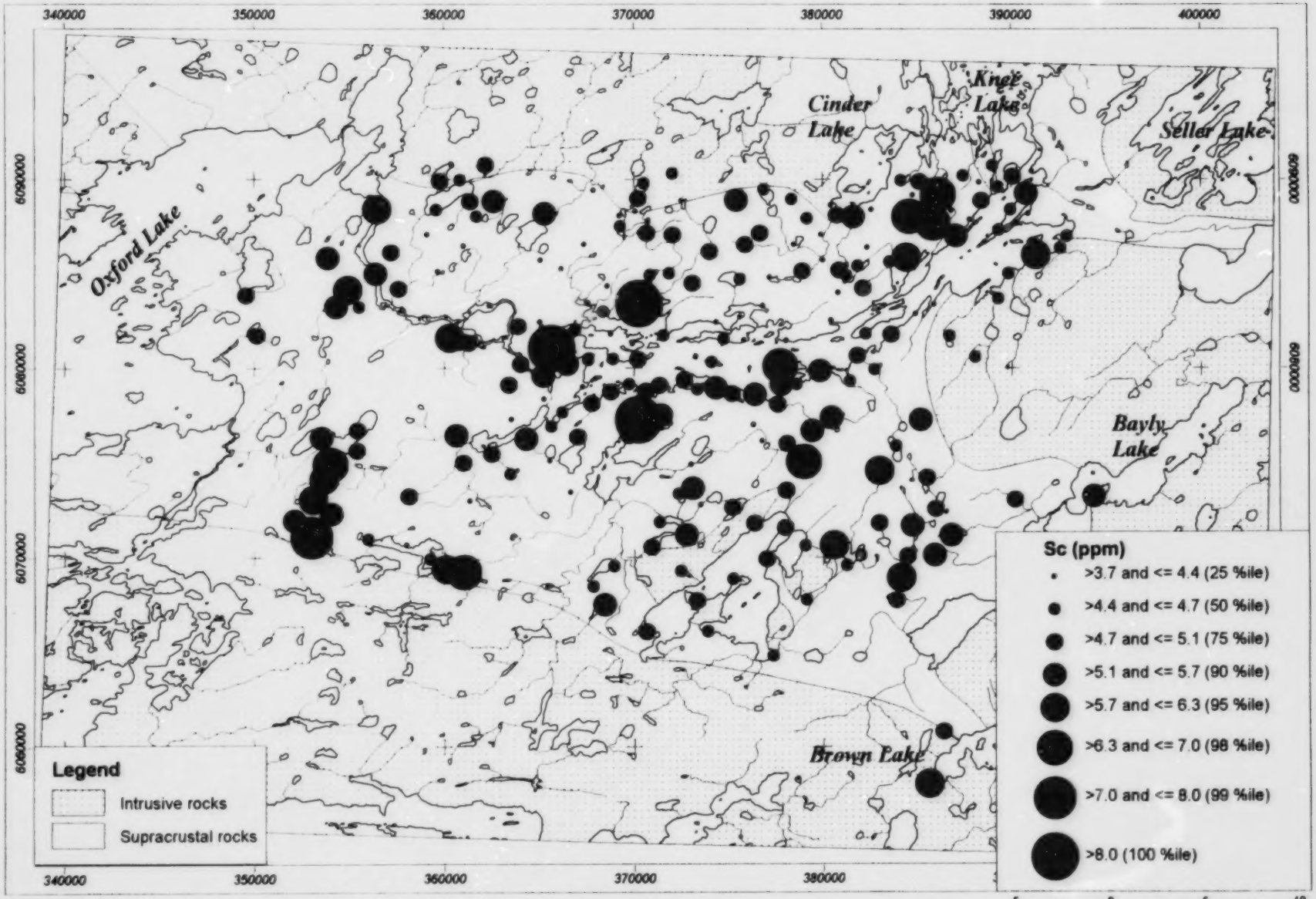


Till (<63 micron) - 239 samples
INAA



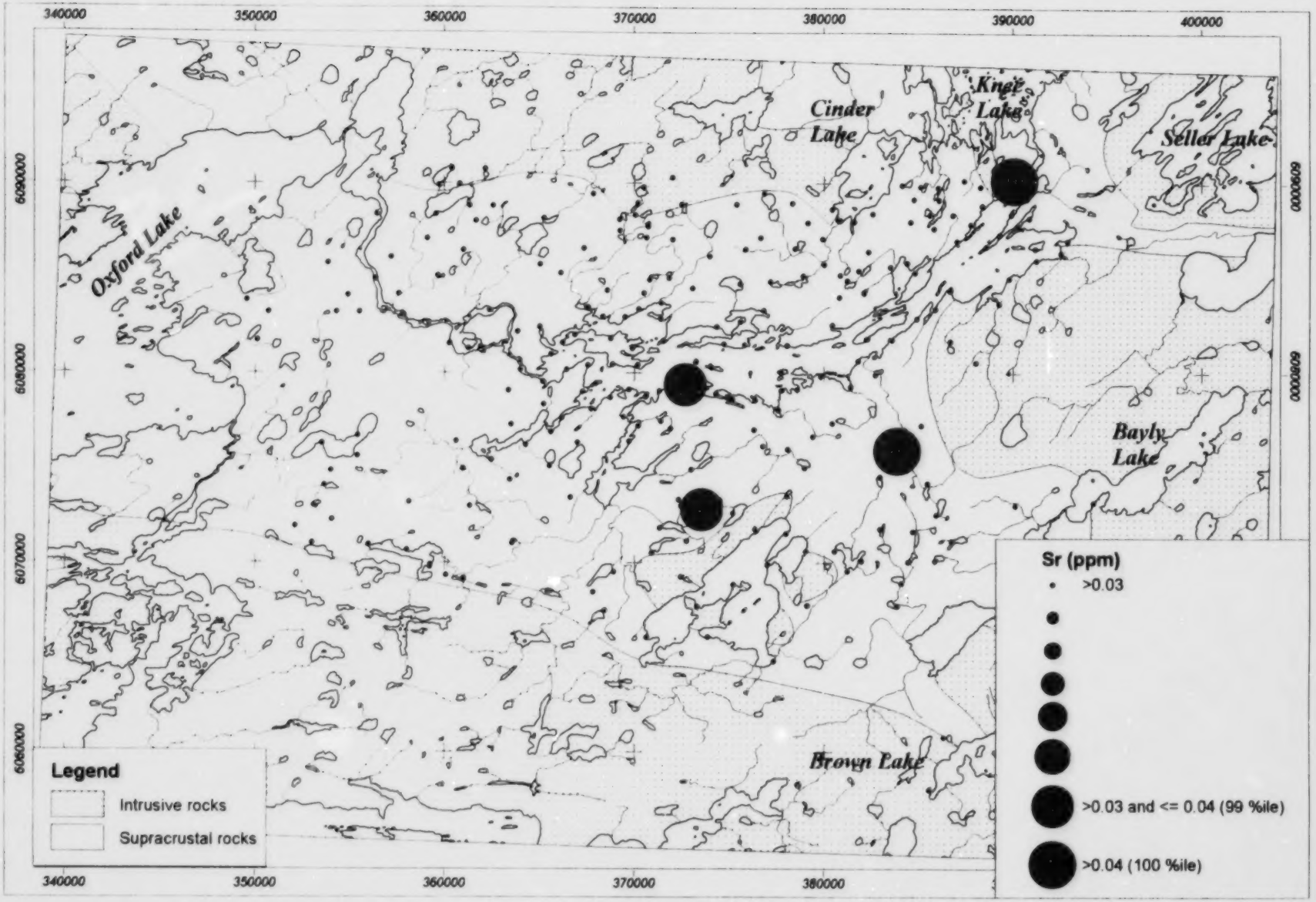
Till (<63 micron) - 239 samples
INAA

Appendix T-6-15



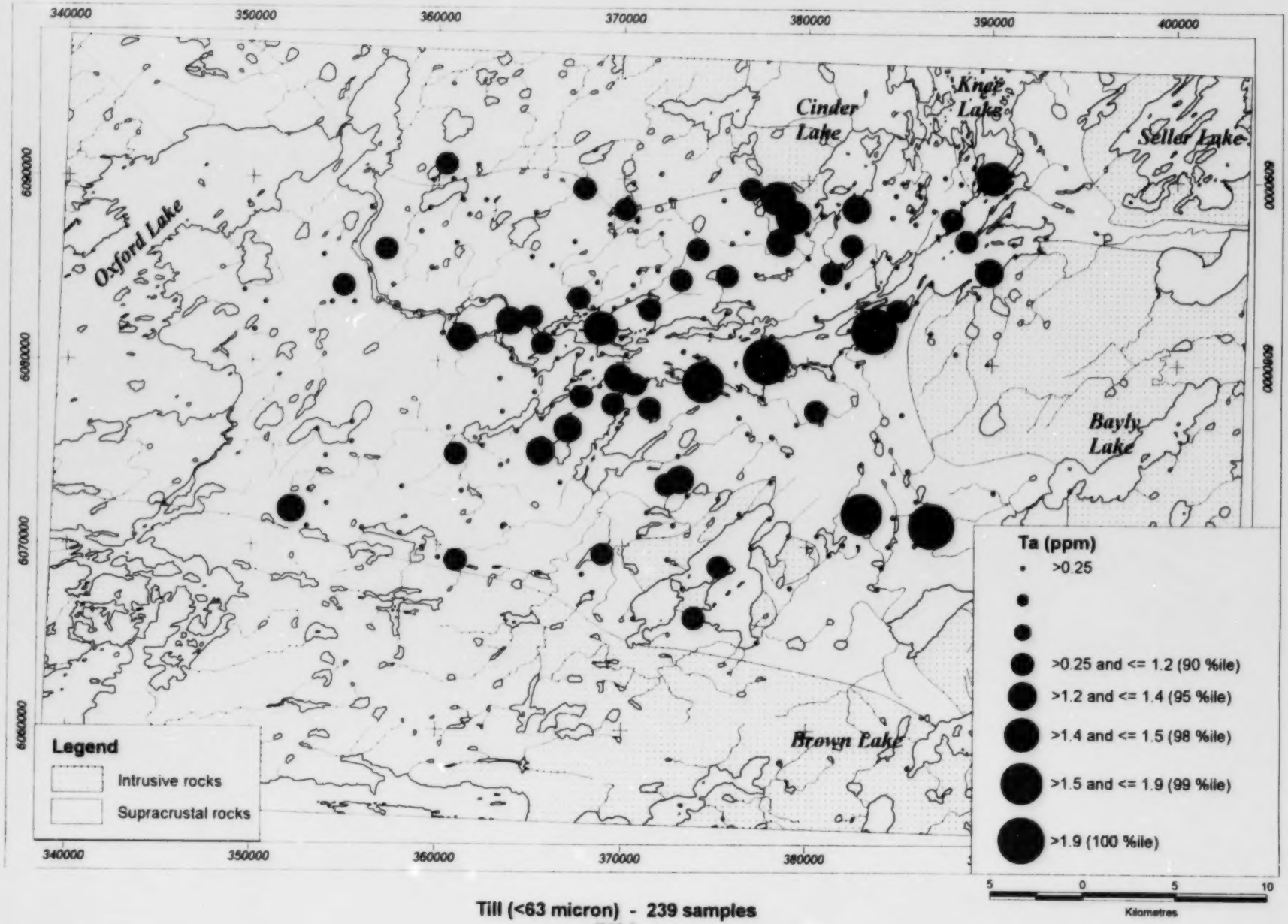
Till (<63 micron) - 239 samples
INAA

Appendix T-6-16



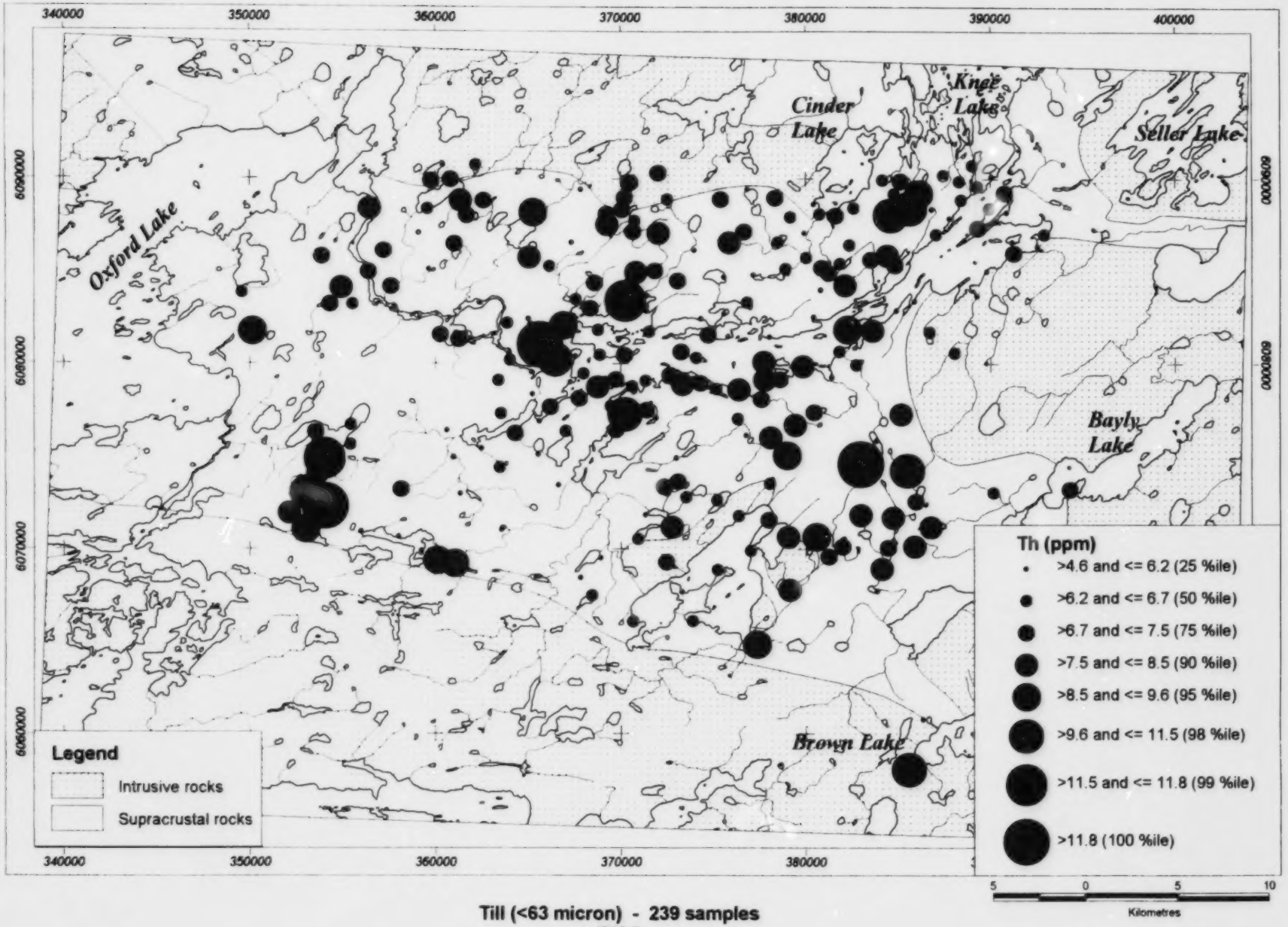
Till (<63 micron) - 239 samples
INAA

Appendix T-6-17



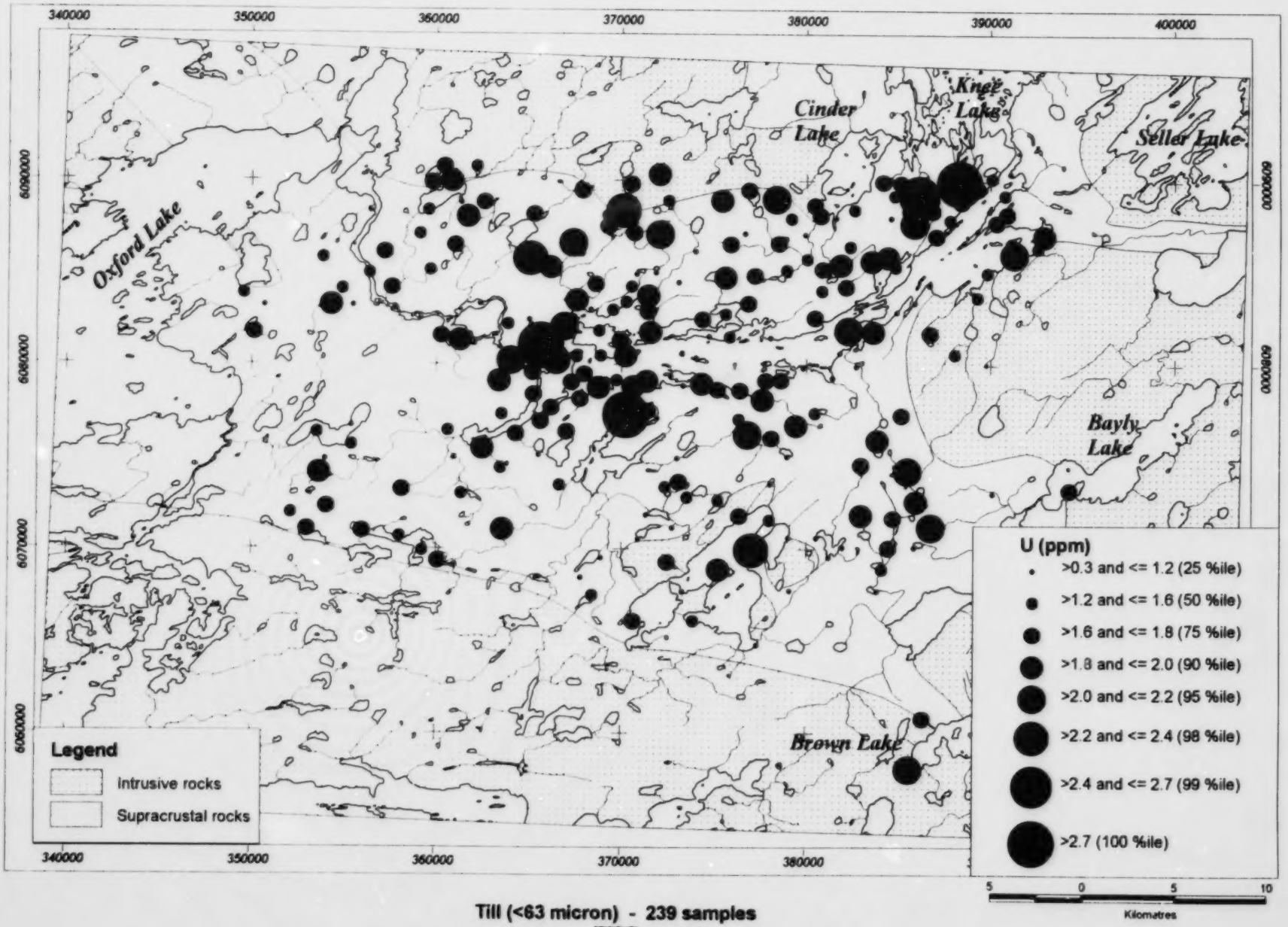
Till (<63 micron) - 239 samples
INAA

Appendix T-8-18



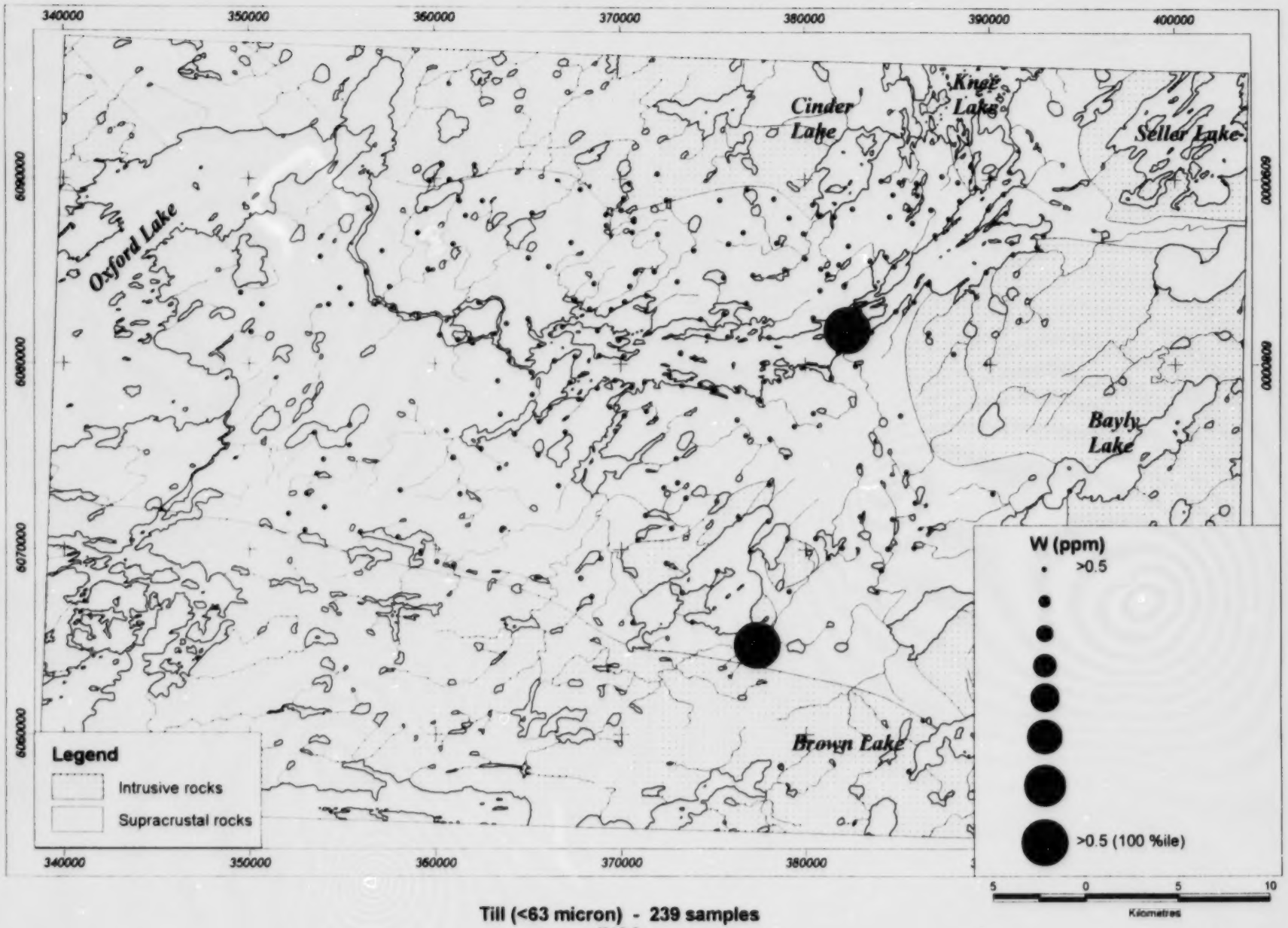
Till (<63 micron) - 239 samples
INAA

Appendix T-6-19



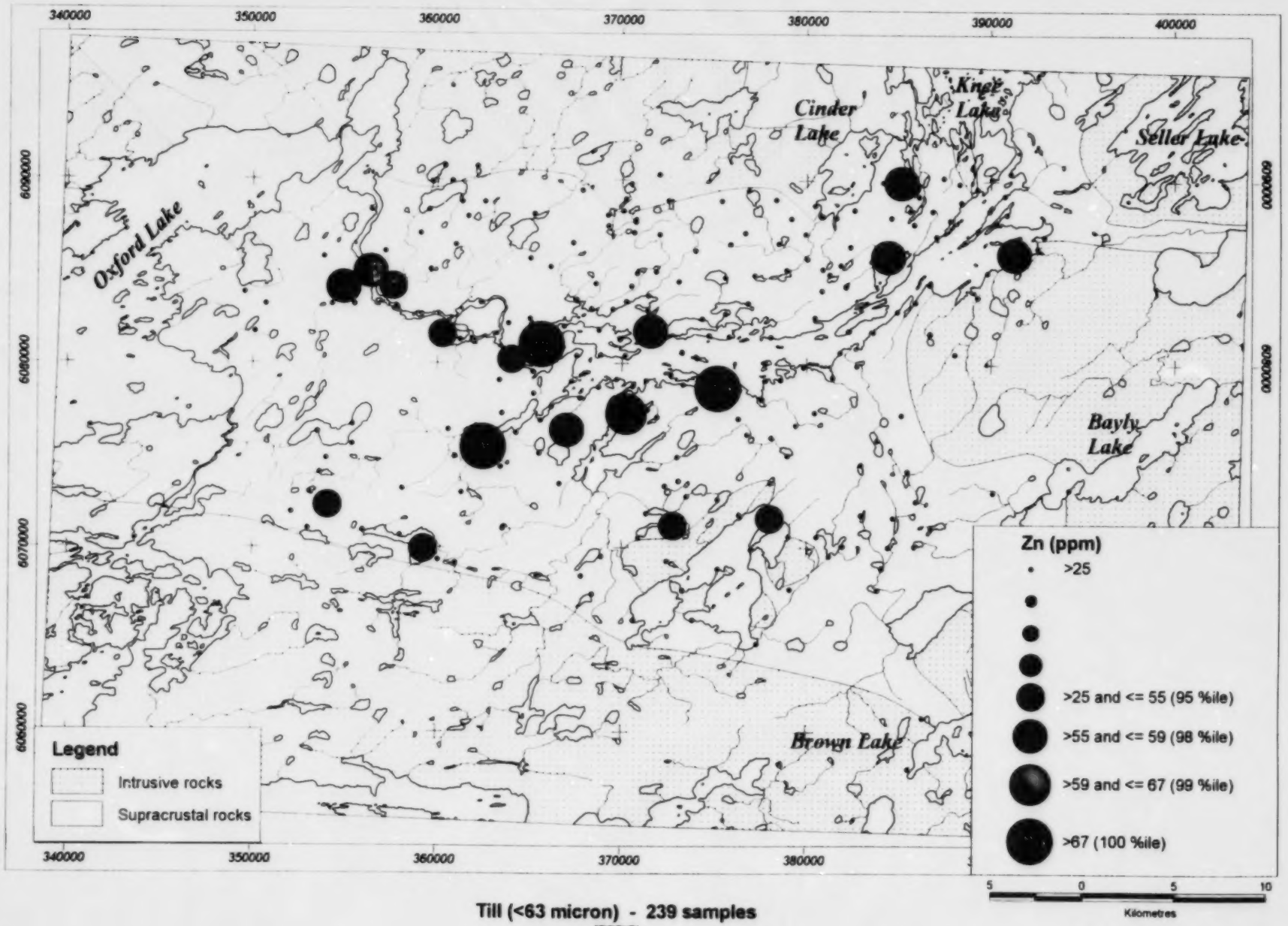
Till (<63 micron) - 239 samples
INAA

Appendix T-6-20



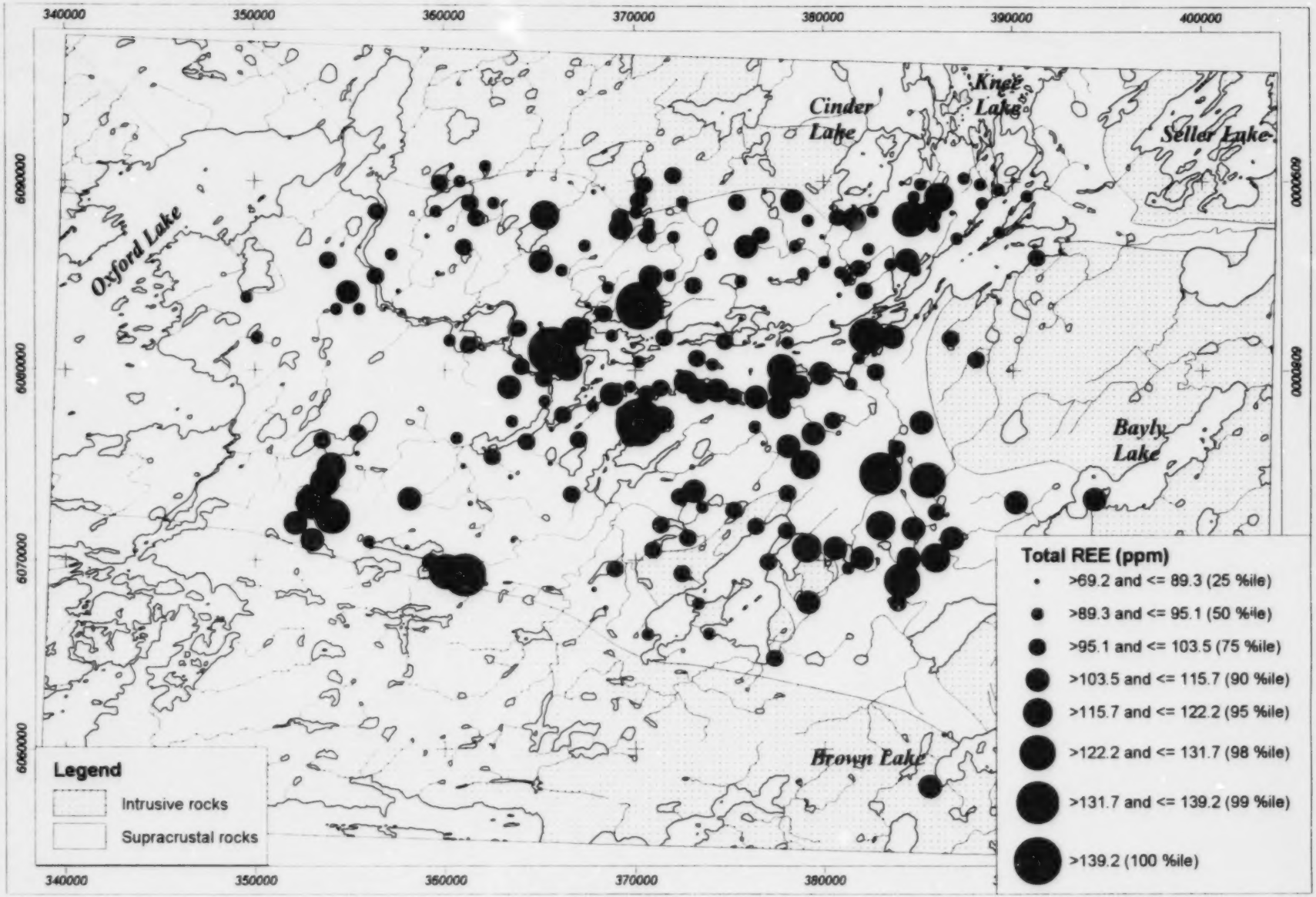
Till (<63 micron) - 239 samples
INAA

Appendix T-6-21



Till (<63 micron) - 239 samples
INAA

Appendix T-6-22



Till (<63 micron) - 239 samples
INAA

Appendix T-7

Chittick Analysis, <63 Micron Fraction Of Till Samples.

Sample Site	UTM		% Calcite	% Dolomite	Total Carbonate
	Easting	Northing			
69-99T-2	379928.11	6087059.58	15.03	25.38	40.41
69-99T-3	380864.52	6085155.70	17.00	23.57	40.56
69-99T-4	385575.87	6057998.38	21.29	22.66	43.95
69-99T-5	386340.97	6060776.00	19.42	22.21	41.63
69-99T-7	380012.55	6085720.22	21.57	24.58	46.15
69-99T-8	381843.70	6085393.08	19.36	23.57	42.93
69-99T-9	381226.37	6084881.63	19.89	22.21	42.10
69-99T-10	380814.98	6083990.92	16.52	23.57	40.09
69-99T-11	382124.73	6084199.82	18.00	22.21	40.21
69-99T-12	384139.45	6089907.45	18.83	24.93	43.76
69-99T-13	385120.09	6089836.36	18.44	23.11	41.55
69-99T-14	386060.67	6089790.62	18.83	24.93	43.76
69-99T-15	385609.68	6088356.80	10.79	24.93	35.71
69-99T-16	386107.09	6089134.20	8.44	13.14	21.58
69-99T-17	386831.55	6088342.61	17.36	26.29	43.64
69-99T-18	384402.98	6085799.86	14.27	22.54	36.81
69-99T-19	383518.94	6085591.65	15.65	21.75	37.41
69-99T-21	384823.47	6085301.09	23.31	21.68	44.98
69-99T-25	390069.10	6090107.94	22.28	21.75	44.03
69-99T-26	389273.35	6089551.83	22.26	22.21	44.47
69-99T-27	388381.58	6088845.50	15.52	24.93	40.45
69-99T-28	391096.14	6090415.34	27.28	20.20	47.48
69-99T-29	390765.20	6089215.18	13.07	23.70	36.77
69-99T-30	389922.08	6088381.30	15.25	23.79	39.04
69-99T-31	387776.64	6087871.04	22.66	24.01	46.67
69-99T-32	389281.25	6087309.72	16.53	23.50	40.02
69-99T-33	387035.08	6086978.20	18.85	24.43	43.29
69-99T-34	388567.46	6086677.37	19.31	24.89	44.20
69-99T-35	390865.79	6088176.15	21.75	23.09	44.84
69-99T-36	390299.61	6087715.51	19.35	23.98	43.33
69-99T-39	392898.97	6086971.53	17.98	22.59	40.58
69-99T-40	392559.91	6086340.04	14.12	24.44	38.56
69-99T-41	391167.56	6086589.75	17.43	24.42	41.85
69-99T-42	391238.39	6085940.29	17.08	21.67	38.75
69-99T-43	389804.68	6084999.49	10.79	24.82	35.61
69-99T-44	389261.00	6083667.72	17.95	23.54	41.48
69-99T-45	386653.33	6084343.11	25.50	24.04	49.53
69-99T-46	385883.41	6083393.71	20.31	23.53	43.84
69-99T-47	384919.22	6082875.51	14.14	23.93	38.07
69-99T-49	388981.01	6090705.90	18.32	25.80	44.12
69-99T-50	387427.39	6090166.15	13.12	25.75	38.87
69-99T-51	385816.88	6087616.81	0.45	0.46	0.92
69-99T-52	382575.20	6088407.01	13.97	28.05	42.02
69-99T-53	381611.17	6087984.39	18.82	25.35	44.16
69-99T-54	380446.70	6088630.40	20.75	24.46	45.21
69-99T-55	384763.43	6089168.41	18.32	25.80	44.12
69-99T-56	384593.57	6087985.36	14.67	22.56	37.24

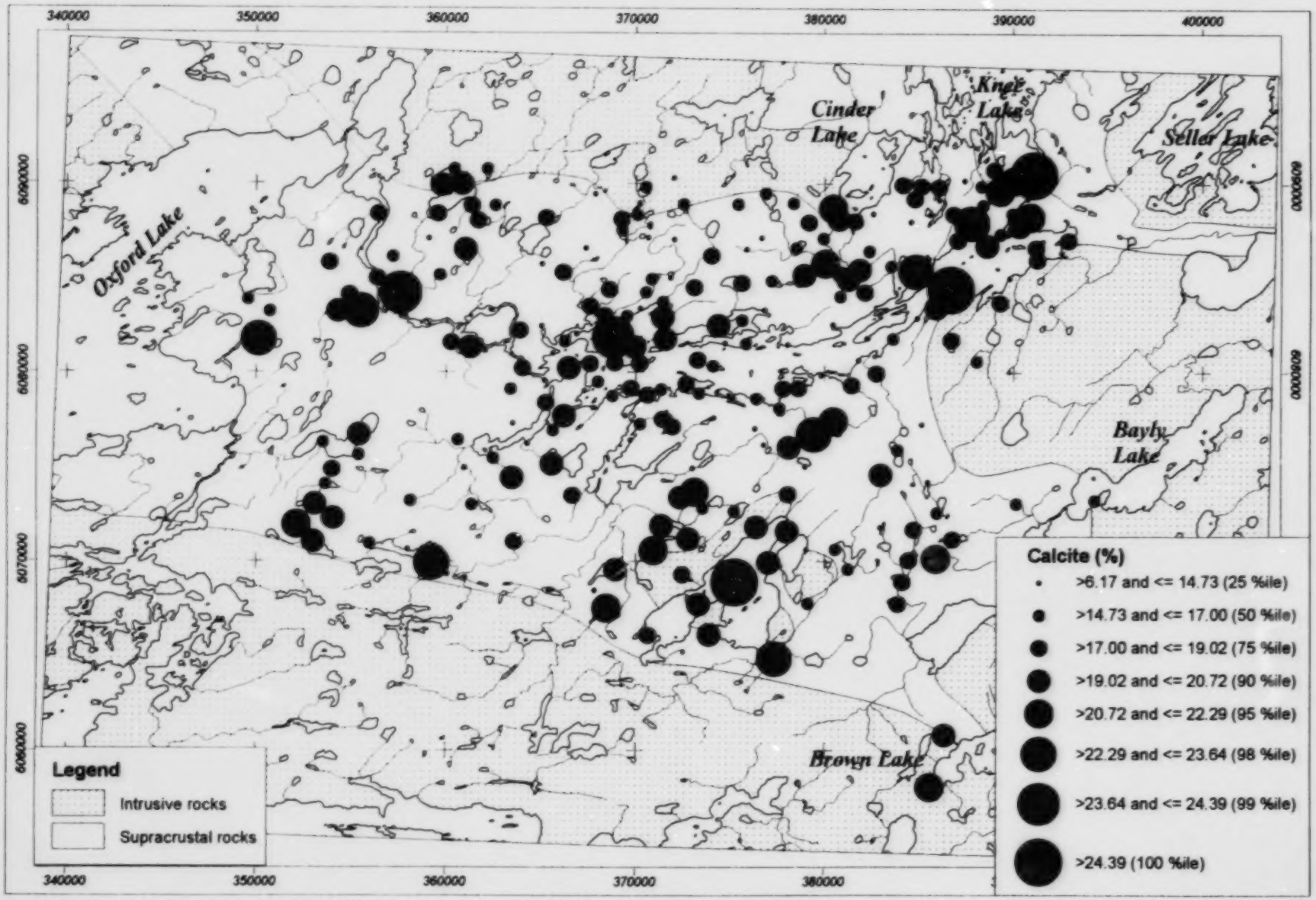
Sample Site	UTM		% Calcite	% Dolomite	Total Carbonate
	Easting	Northing			
69-99T-57	380747.02	6088073.86	20.29	24.02	44.31
69-99T-59	376870.52	6089445.37	15.58	23.57	39.14
69-99T-63	371851.38	6084985.15	12.74	23.57	36.30
69-99T-64	370818.75	6084894.62	15.73	25.61	41.33
69-99T-65	371421.23	6083690.52	14.99	26.29	41.28
69-99T-66	370239.75	6083375.40	12.38	32.18	44.56
69-99T-67	369512.90	6082951.85	16.90	25.79	42.69
69-99T-68	378482.32	6086547.36	16.96	24.47	41.43
69-99T-69	378901.57	6085104.21	19.44	21.75	41.19
69-99T-70	377176.25	6084802.55	16.94	24.93	41.87
69-99T-71	375594.28	6084702.04	18.44	23.11	41.55
69-99T-73	370656.16	6087109.32	14.39	23.57	37.96
69-99T-74	368347.58	6082970.14	17.94	23.57	41.51
69-99T-75	367566.14	6083452.59	17.41	24.93	42.34
69-99T-76	366875.73	6082011.38	14.56	25.38	39.93
69-99T-77	366237.10	6081599.59	16.52	23.57	40.09
69-99T-78	368777.48	6081793.37	24.21	20.85	45.06
69-99T-79	369918.79	6081283.90	20.31	23.57	43.88
69-99T-80	371536.33	6081711.47	19.84	23.57	43.40
69-99T-81	370746.10	6087688.00	13.63	24.93	38.55
69-99T-82	372516.50	6088851.06	15.38	24.46	39.84
69-99T-83	372026.99	6090288.56	10.67	25.13	35.80
69-99T-84	370517.90	6089778.24	15.43	23.34	38.77
69-99T-85	370224.45	6088963.94	6.48	25.18	31.66
69-99T-86	370086.72	6088310.03	15.88	23.79	39.67
69-99T-89	359762.87	6089860.45	20.19	21.54	41.73
69-99T-90	360419.16	6090713.89	16.82	23.79	40.60
69-99T-91	367854.62	6089411.77	12.62	23.34	35.96
69-99T-93	360817.18	6089935.46	20.11	23.34	43.45
69-99T-94	361334.61	6088793.40	17.40	21.10	38.49
69-99T-95	359548.28	6088342.12	17.83	24.13	41.96
69-99T-97	361670.11	6088011.47	17.99	24.89	42.88
69-99T-98	360997.64	6086474.25	19.96	22.22	42.18
69-99T-102	365042.73	6085719.91	13.46	22.22	35.68
69-99T-104	365252.32	6088140.42	18.60	21.33	39.94
69-99T-105	369243.39	6088065.28	18.12	21.78	39.90
69-99T-106	369259.00	6087478.80	16.60	24.89	41.49
69-99T-107	367342.33	6086563.25	12.86	22.89	35.75
69-99T-108	366150.70	6085252.06	17.12	23.56	40.67
69-99T-109	368585.13	6084340.09	17.51	25.34	42.84
69-99T-111	371414.93	6082844.68	19.47	22.67	42.14
69-99T-113	374372.83	6082434.83	19.80	24.47	44.27
69-99T-114	375612.85	6082701.79	16.92	25.38	42.30
69-99T-115	376837.58	6083283.99	14.12	24.47	38.59
69-99T-118	380435.24	6082526.84	14.10	24.93	39.03
69-99T-121	356420.52	6088346.81	18.49	21.75	40.25
69-99T-123	357174.69	6086097.90	16.96	24.47	41.43
69-99T-124	362147.22	6090729.66	16.25	24.47	40.72
69-99T-125	362574.30	6088793.60	16.52	23.57	40.09
69-99T-126	359632.73	6085112.70	16.43	25.83	42.26
69-99T-127	359088.91	6087067.02	14.64	23.34	37.98
69-99T-131	356359.18	6084946.56	18.97	21.75	40.72
69-99T-134	353845.36	6085793.03	18.20	23.08	41.28
69-99T-135	354883.31	6084079.64	17.53	22.21	39.73

Sample Site	UTM		% Calcite	% Dolomite	Total Carbonate
	Easting	Northing			
69-99T-136	349567.90	6083833.12	15.16	22.21	37.37
69-99T-139	357564.78	6084160.24	23.94	21.53	45.47
69-99T-140	363864.01	6082169.82	18.44	23.11	41.55
69-99T-142	361255.11	6081288.51	19.84	23.57	43.40
69-99T-145	365012.13	6082425.90	14.67	26.36	41.03
69-99T-146	388300.25	6089844.48	15.34	25.53	40.87
69-99T-147	382347.59	6086399.71	14.75	28.25	43.00
69-99T-148	373091.61	6084449.15	18.75	22.44	41.19
69-99T-149	370525.75	6084197.53	15.47	22.44	37.91
69-99T-150	378340.48	6088920.71	16.19	25.83	42.02
69-99T-151	379171.14	6087918.37	18.87	24.02	42.89
69-99T-152	375414.93	6088856.96	15.16	22.21	37.37
69-99T-154	376668.36	6087121.26	14.16	23.57	37.72
69-99T-155	375877.60	6086516.58	9.77	26.74	36.51
69-99T-156	373995.52	6086125.05	18.47	22.21	40.68
69-99T-157	372027.71	6087027.04	13.65	24.47	38.12
69-99T-201	371334.99	6079065.23	15.14	22.66	37.80
69-99T-202	370612.18	6078749.88	18.85	24.47	43.32
69-99T-203	369733.49	6079116.31	18.95	22.21	41.15
69-99T-204	368745.75	6078704.52	16.01	24.47	40.49
69-99T-205	367736.72	6078107.25	14.60	24.21	38.81
69-99T-206	366185.42	6077629.58	20.31	23.57	43.88
69-99T-207	370205.14	6080422.95	18.38	24.47	42.85
69-99T-208	365599.84	6076900.47	15.94	26.29	42.22
69-99T-209	367275.47	6079004.52	14.59	24.47	39.07
69-99T-210	367991.68	6079460.20	16.09	22.66	38.75
69-99T-211	368856.57	6080449.74	17.49	23.11	40.60
69-99T-212	367569.80	6080402.33	18.45	22.66	41.11
69-99T-213	365183.13	6079542.10	14.00	23.93	37.93
69-99T-214	360603.87	6076390.98	15.49	21.91	37.39
69-99T-215	360976.40	6074963.41	10.20	25.03	35.23
69-99T-218	363444.79	6074383.10	19.67	22.85	42.52
69-99T-219	367825.77	6068425.98	14.47	23.94	38.40
69-99T-220	368431.98	6067452.60	21.54	22.87	44.41
69-99T-221	360246.41	6081552.52	18.75	22.39	41.14
69-99T-223	355505.67	6083205.01	22.46	23.33	45.79
69-99T-224	350117.78	6081716.84	23.17	28.78	51.95
69-99T-225	350702.40	6083206.61	16.82	23.73	40.55
69-99T-226	354277.47	6083205.79	20.15	22.40	42.56
69-99T-227	355381.59	6075600.60	16.93	21.01	37.94
69-99T-228	353986.25	6074843.74	17.40	22.94	40.34
69-99T-229	353511.14	6076295.59	16.99	19.65	36.64
69-99T-230	355405.44	6076684.24	19.72	21.52	41.24
69-99T-233	353080.39	6072997.78	19.38	18.40	37.79
69-99T-234	352085.67	6071913.45	21.62	20.87	42.49
69-99T-235	352971.33	6071021.91	20.43	15.71	36.14
69-99T-236	375222.72	6068829.48	24.50	19.30	43.80
69-99T-237	373322.15	6067669.32	20.25	20.20	40.44
69-99T-238	372452.18	6069244.38	18.31	21.54	39.86
69-99T-239	368922.50	6069508.74	20.23	20.65	40.87
69-99T-240	370909.02	6070515.51	21.13	21.54	42.67
69-99T-241	372758.61	6071129.61	19.70	21.99	41.69
69-99T-242	370633.94	6066046.81	18.16	20.89	39.05
69-99T-243	373883.08	6066058.33	19.96	22.22	42.18

Sample Site	UTM		% Calcite	% Dolomite	Total Carbonate
	Easting	Northing			
69-99T-245	373013.86	6074903.92	13.38	24.00	37.39
69-99T-246	375209.93	6072610.07	16.21	23.11	39.32
69-99T-248	363998.87	6080166.06	18.55	22.67	41.21
69-99T-249	366434.90	6080165.02	19.47	22.67	42.14
69-99T-250	365625.09	6080983.27	6.71	11.56	18.27
69-99T-251	369454.61	6077674.80	14.22	26.22	40.44
69-99T-252	370212.70	6077226.07	15.12	17.64	32.76
69-99T-253	369727.62	6076391.19	10.58	24.45	35.03
69-99T-260	359223.52	6069883.78	23.19	22.67	45.85
69-99T-261	360063.93	6069315.74	10.19	22.67	32.86
69-99T-262	355969.59	6070935.17	16.78	24.64	41.42
69-99T-263	357994.39	6070646.49	12.92	27.32	40.24
69-99T-264	360989.77	6069149.40	11.25	22.32	33.57
69-99T-265	361329.67	6072980.83	15.80	25.54	41.34
69-99T-266	363559.03	6071022.97	17.21	25.55	42.76
69-99T-267	377020.28	6069882.33	20.22	20.84	41.06
69-99T-268	379044.14	6070599.95	10.26	23.67	33.93
69-99T-269	376364.81	6071760.41	20.70	20.59	41.29
69-99T-271	383858.83	6067703.50	17.75	23.74	41.49
69-99T-272	384102.61	6068885.27	18.34	21.03	39.36
69-99T-273	380547.15	6070612.20	16.87	22.37	39.25
69-99T-274	382955.22	6071800.72	9.36	22.76	32.12
69-99T-275	381967.41	6070087.68	5.97	25.44	31.41
69-99T-276	385148.66	6077248.38	12.87	22.79	35.66
69-99T-277	386690.16	6081682.14	17.79	22.83	40.63
69-99T-278	388023.91	6080577.61	16.87	22.37	39.25
69-99T-279	376310.70	6077007.87	13.08	23.52	36.60
69-99T-281	379124.40	6067728.11	16.37	23.27	39.64
69-99T-282	382727.20	6079909.30	17.79	22.83	40.63
69-99T-284	383840.14	6075866.88	16.33	24.18	40.51
69-99T-285	382958.94	6074543.38	20.60	22.89	43.49
69-99T-286	385475.05	6074190.49	13.53	23.79	37.32
69-99T-287	385938.09	6072538.35	16.78	24.69	41.46
69-99T-288	384706.93	6071638.97	18.71	23.34	42.05
69-99T-289	384447.42	6070035.32	18.76	21.99	40.76
69-99T-290	385875.21	6070091.77	21.65	20.20	41.85
69-99T-291	386749.94	6071142.51	18.29	19.67	37.96
69-99T-292	372658.22	6079359.51	18.14	23.11	41.25
69-99T-293	373332.21	6078856.12	16.71	24.47	41.18
69-99T-294	374312.89	6078921.40	13.38	22.88	36.25
69-99T-295	375182.62	6078624.03	14.62	27.45	42.07
69-99T-296	376386.81	6078570.83	15.71	24.25	39.96
69-99T-297	377606.00	6078057.09	16.21	23.79	40.00
69-99T-298	377794.68	6079094.31	17.20	22.88	40.08
69-99T-299	377733.77	6080049.38	10.06	24.13	34.19
69-99T-300	383601.49	6081754.27	16.49	24.47	40.96
69-99T-301	382264.75	6081807.41	14.67	22.66	37.33
69-99T-302	381825.16	6080640.92	13.54	21.46	35.00
69-99T-303	381419.93	6079292.48	17.47	23.57	41.04
69-99T-304	379828.87	6079816.74	13.72	22.66	36.38
69-99T-305	373257.01	6080611.99	18.17	25.10	43.27
69-99T-306	374075.08	6080290.59	15.36	25.08	40.43
69-99T-308	378593.33	6079122.68	17.25	24.64	41.89
69-99T-310	378075.60	6081454.42	14.40	25.52	39.92

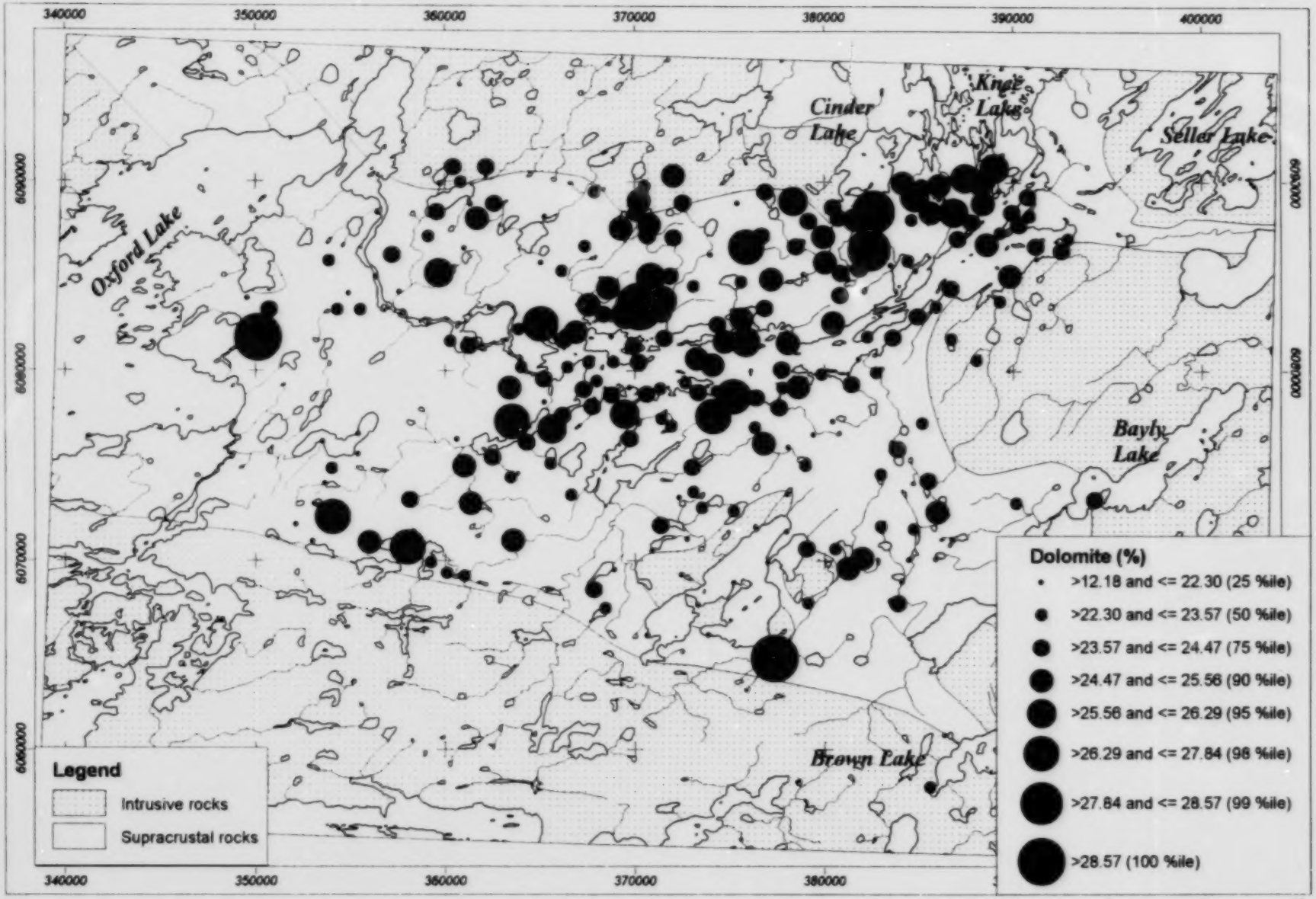
Sample Site	UTM		% Calcite	% Dolomite	Total Carbonate
	Easting	Northing			
69-99T-311	375825.45	6081477.33	16.25	26.03	42.29
69-99T-312	374729.14	6081514.74	12.54	25.13	37.68
69-99T-314	380441.27	6077362.52	21.64	19.94	41.58
69-99T-315	379424.91	6076667.36	23.55	19.71	43.26
69-99T-316	378083.67	6075976.30	20.39	21.75	42.14
69-99T-317	378975.05	6075002.82	7.00	23.27	30.26
69-99T-319	377992.28	6071532.08	20.72	20.14	40.86
69-99T-320	378032.77	6073502.62	18.34	21.03	39.36
69-99T-322	376788.52	6076148.06	13.46	25.51	38.98
69-99T-324	374135.50	6077562.68	13.86	27.33	41.19
69-99T-325	371909.21	6077077.66	17.32	22.83	40.15
69-99T-326	371394.88	6077468.54	18.50	22.65	41.15
69-99T-327	365544.89	6075097.76	20.58	23.34	43.92
69-99T-328	366630.37	6073449.41	17.79	22.89	40.68
69-99T-329	373524.62	6072776.30	16.62	22.89	39.51
69-99T-330	373090.65	6073609.38	22.01	22.89	44.90
69-99T-331	372325.83	6073335.34	20.17	21.99	42.16
69-99T-332	371343.79	6071847.26	19.16	23.79	42.95
69-99T-334	353630.41	6074080.73	16.42	21.91	38.34
69-99T-335	354026.13	6072263.97	19.96	26.93	46.90
69-99T-338	358097.38	6073183.12	15.41	23.72	39.13
69-99T-341	363366.15	6079087.77	16.94	24.93	41.87
69-99T-343	365228.31	6078367.51	17.53	22.21	39.73
69-99T-344	364266.45	6076224.84	13.67	24.02	37.69
69-99T-345	362453.17	6075416.23	15.56	24.02	39.58
69-99T-346	363508.62	6077282.57	13.84	27.78	41.62
69-99T-347	390123.06	6073013.81	15.92	22.82	38.73
69-99T-349	394290.85	6073197.89	15.88	23.72	39.60
69-99T-350	381237.22	6069551.39	15.37	24.62	40.00
69-99T-351	377332.39	6064774.37	22.64	30.13	52.78

Chittick Analysis, Percentile Bubble Plots (<63 Micron Fraction).



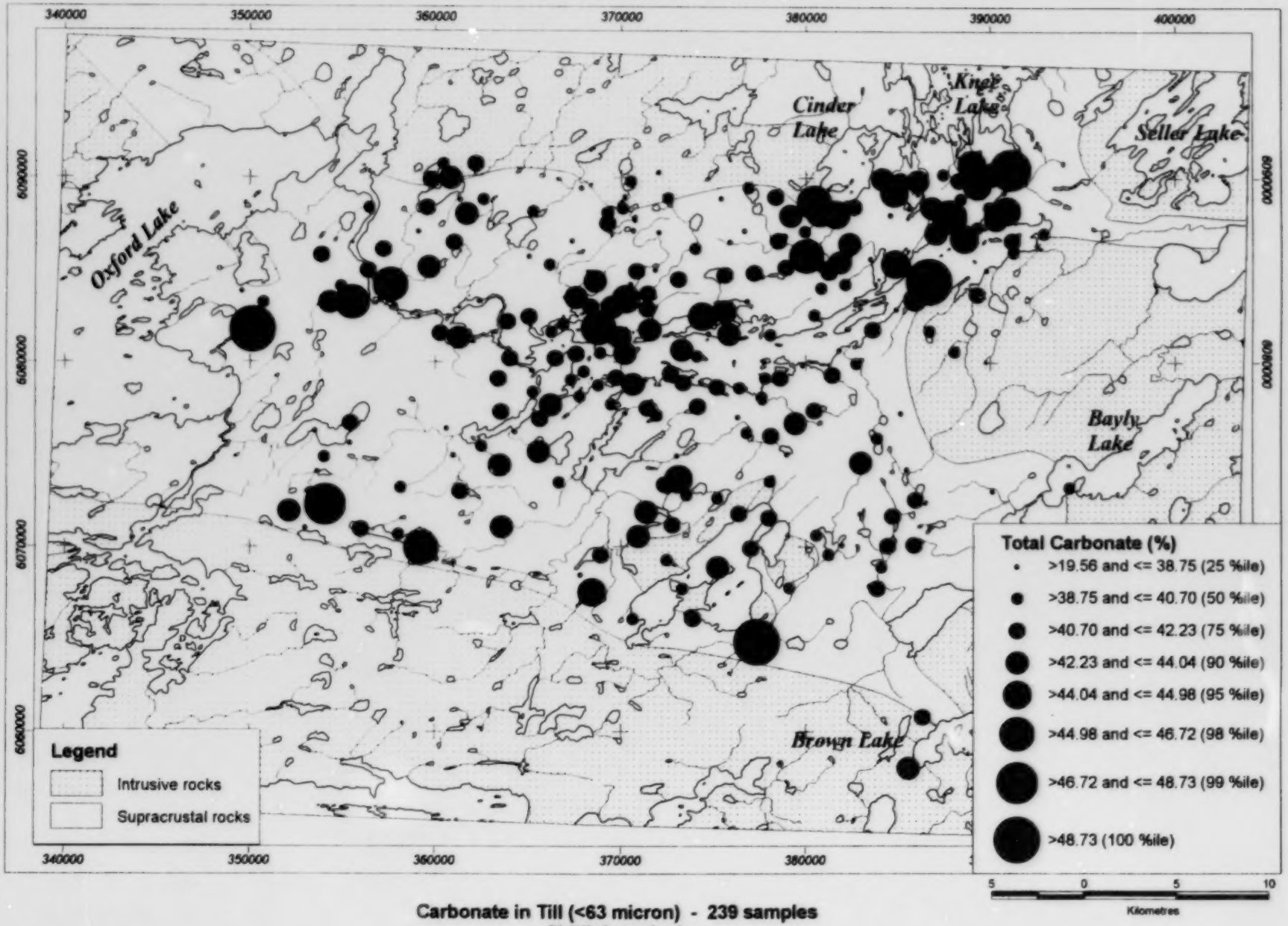
Carbonate in Till (<63 micron) - 239 samples
Chittick analysis

Appendix T-8-1



Carbonate in Till (<63 micron) - 239 samples
Chittick analysis

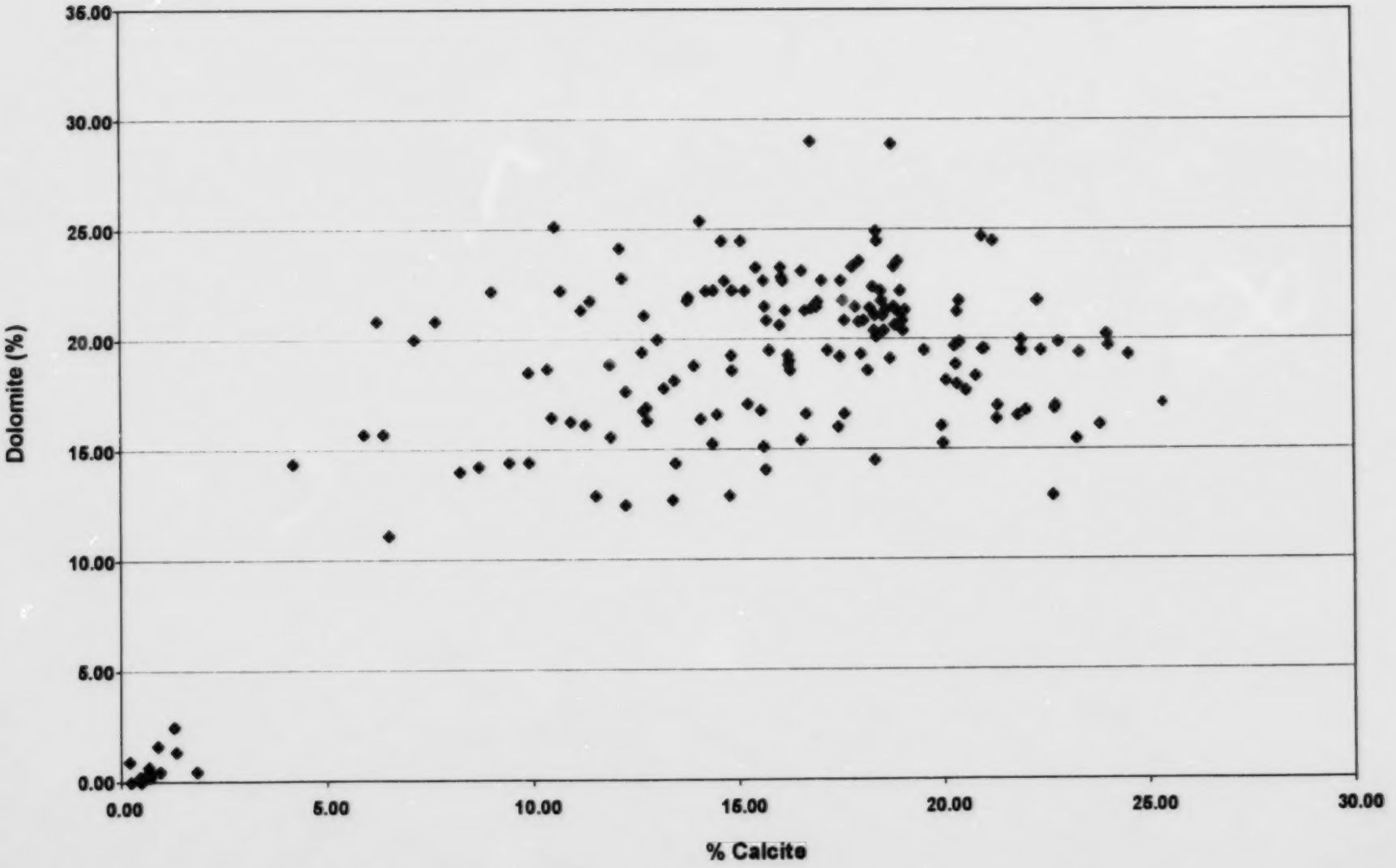
Appendix T-8-2



Carbonate in Till (<63 micron) - 239 samples
Chittick analysis

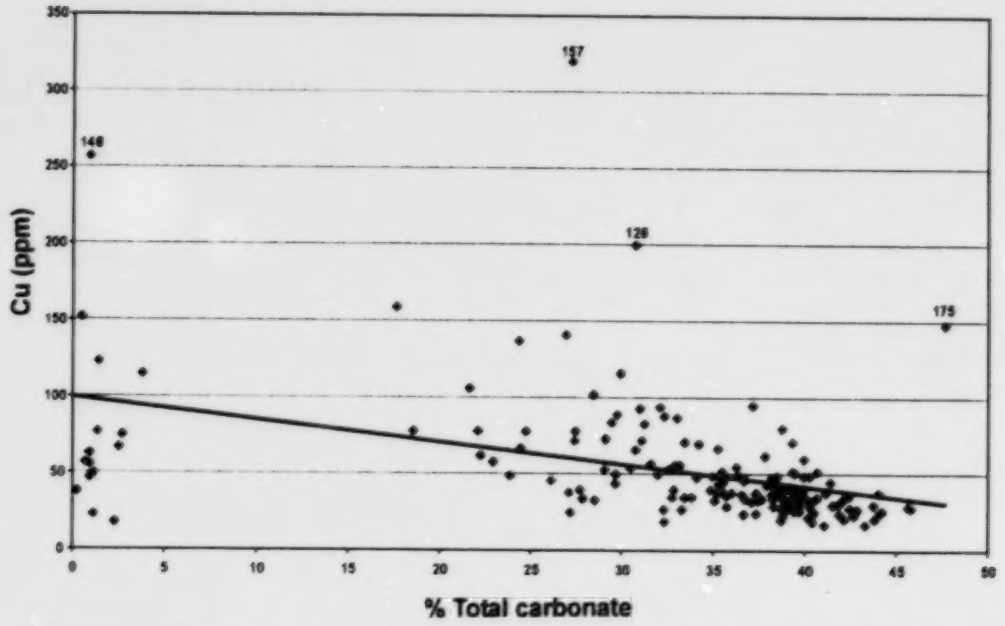
Appendix T-8-3

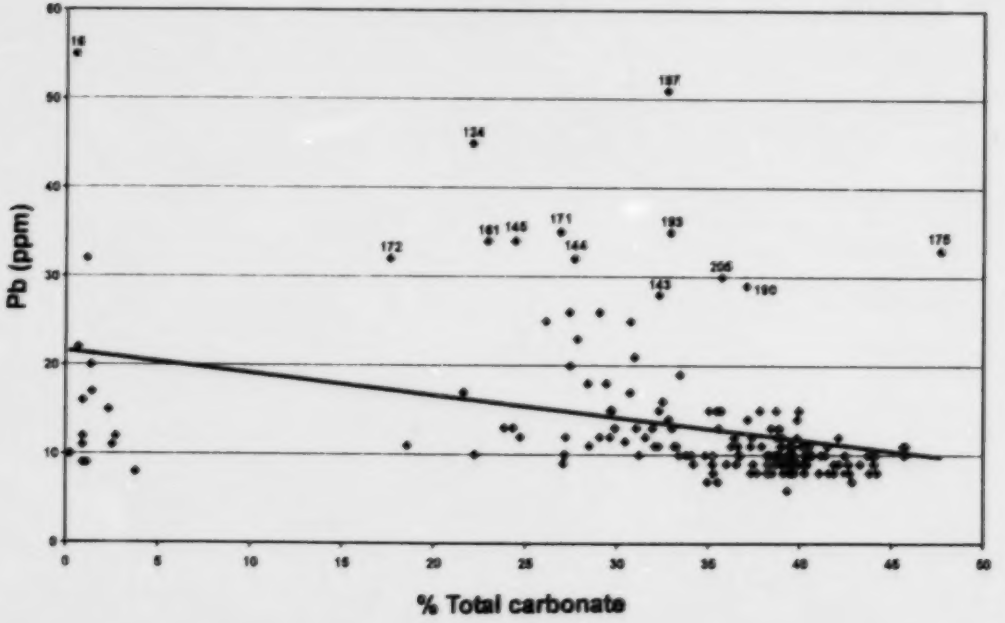
Plot Of Calcite Vs. Dolomite For The Till Samples For The 1999 Survey.



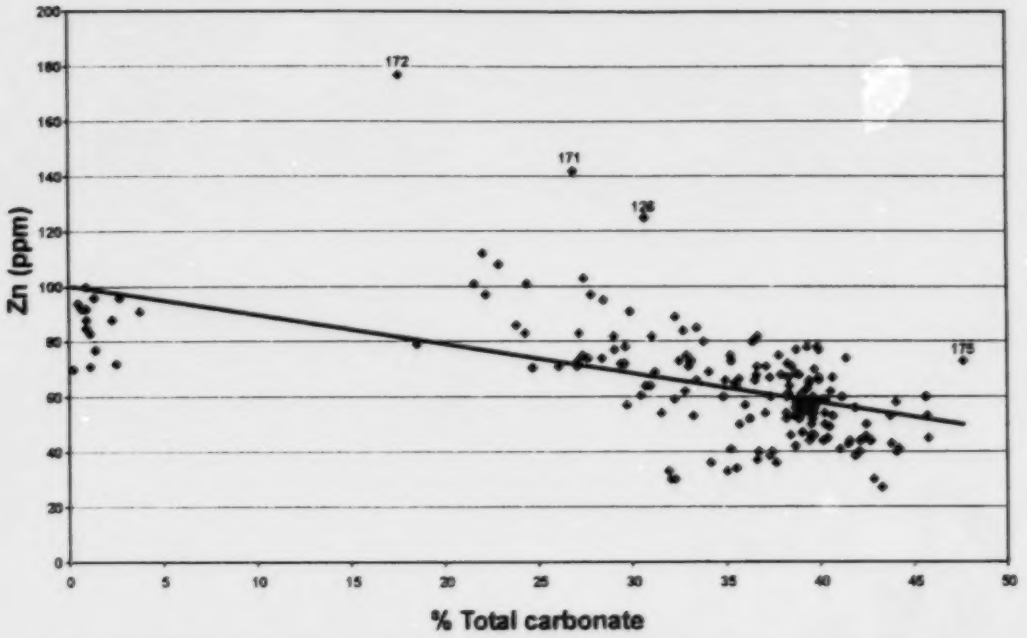
Appendix T-9-1

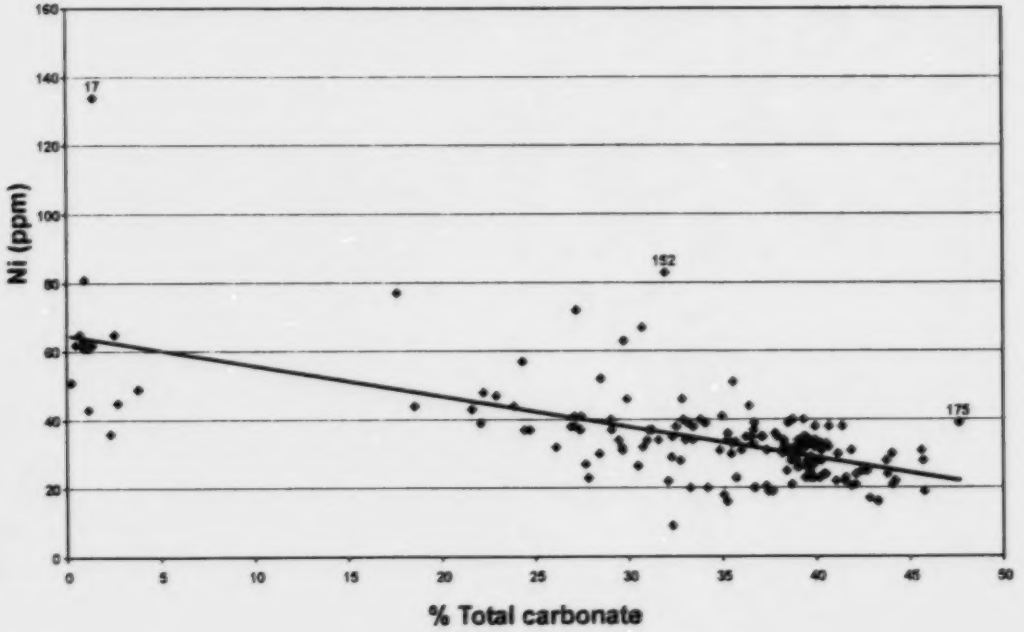
Plot Of Total Carbonate Vs. Geochemistry Of Selected Elements For The Clay-Sized (<2 Micron) Fraction.



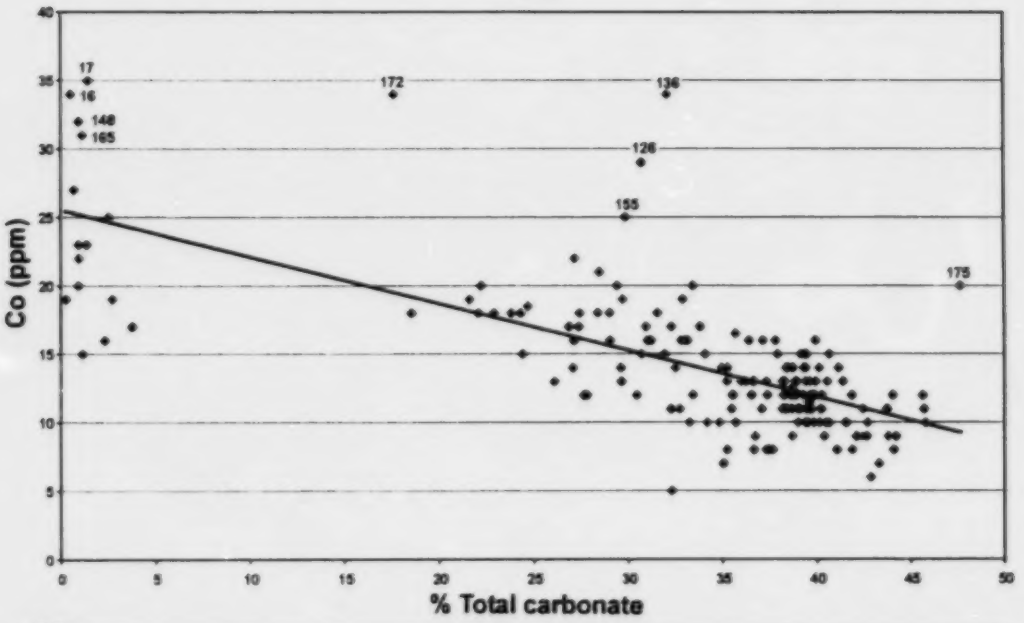


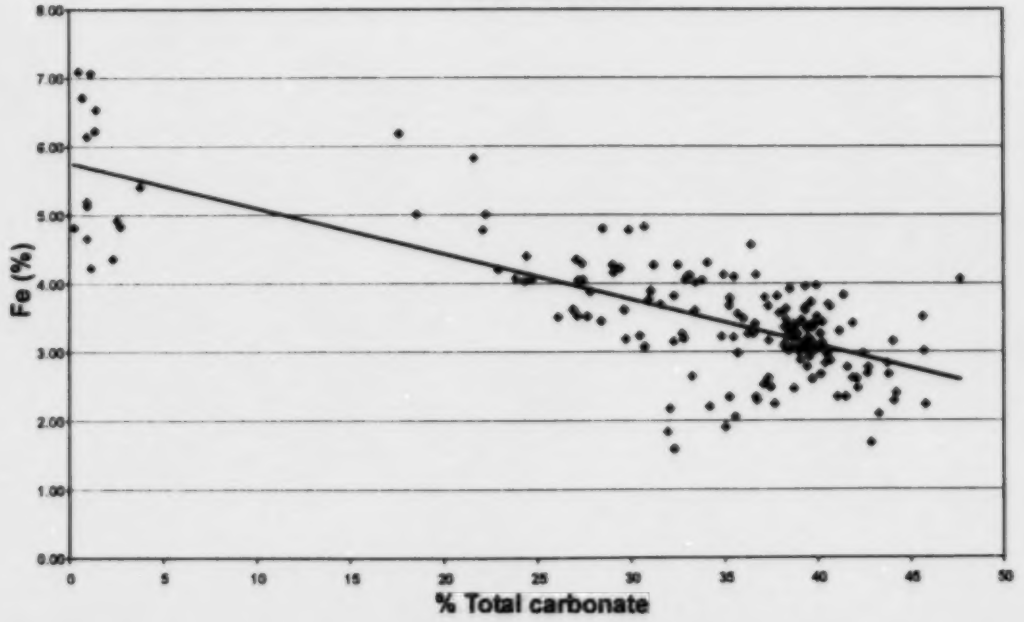
Appendix T-10-1



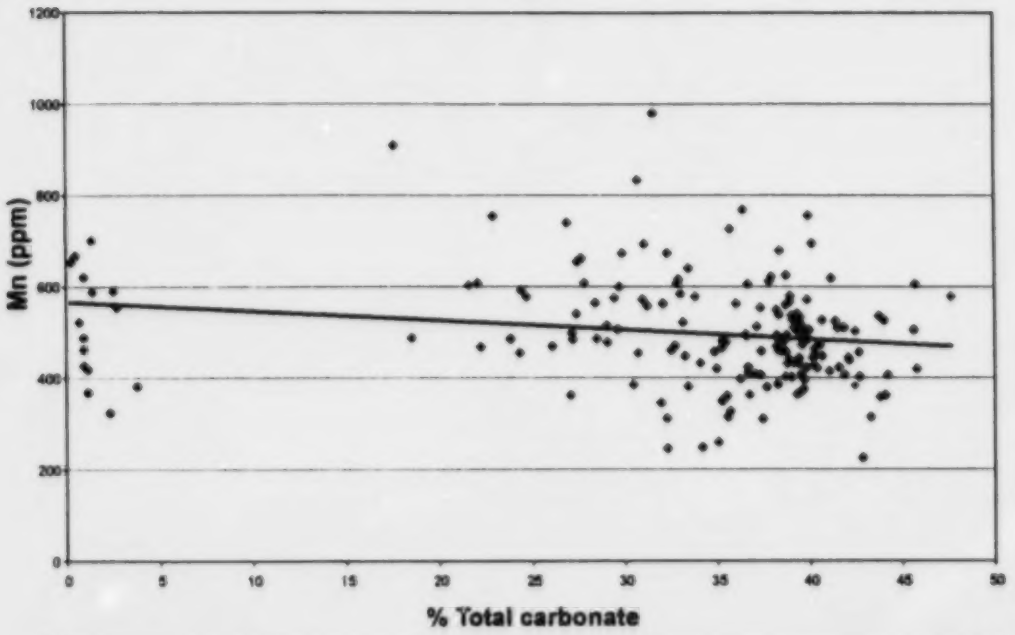


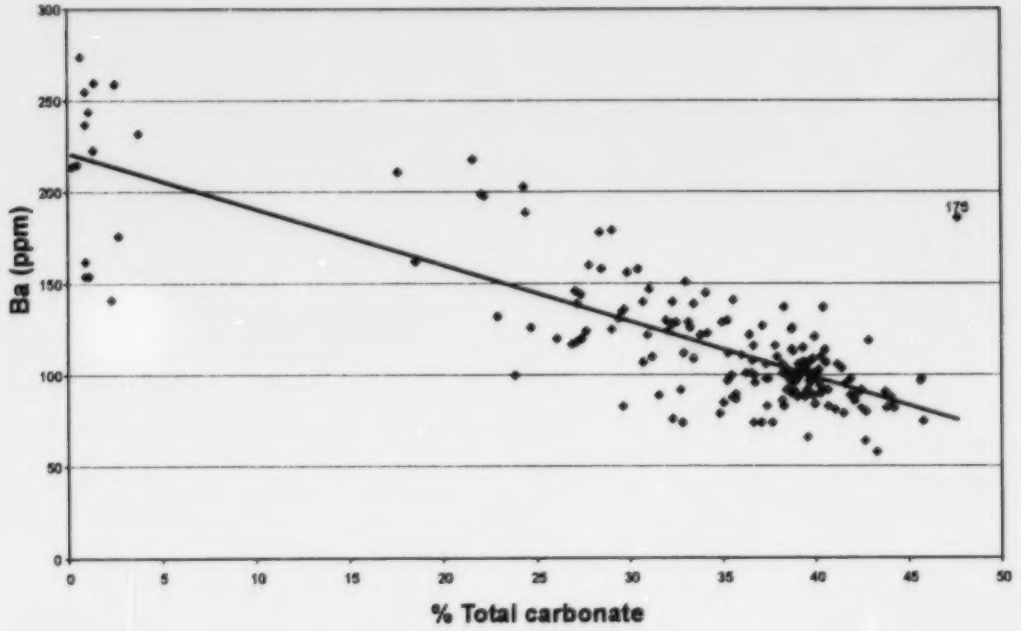
Appendix T-10-2



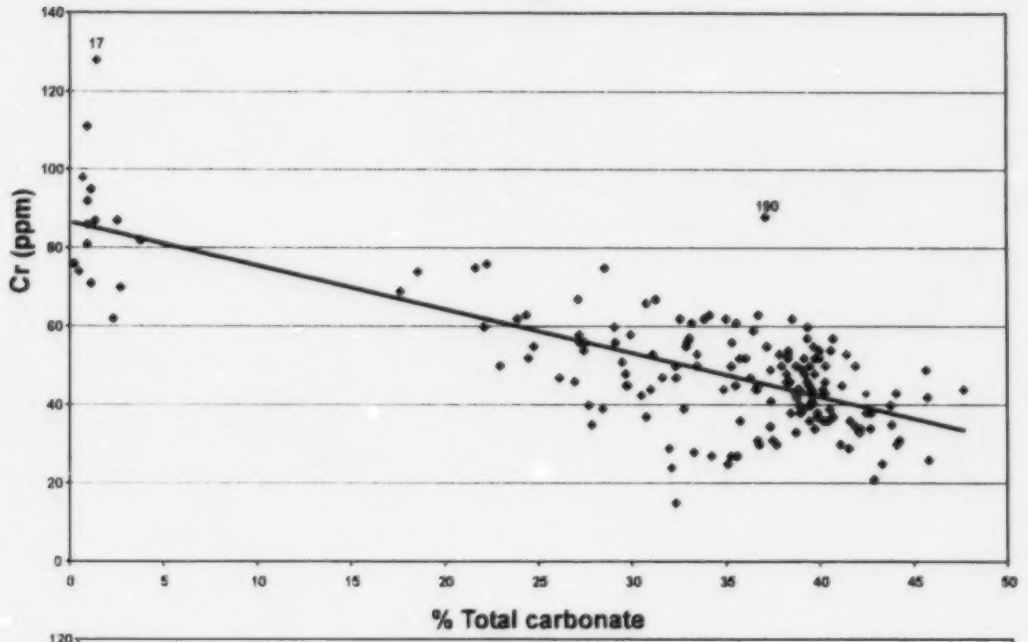


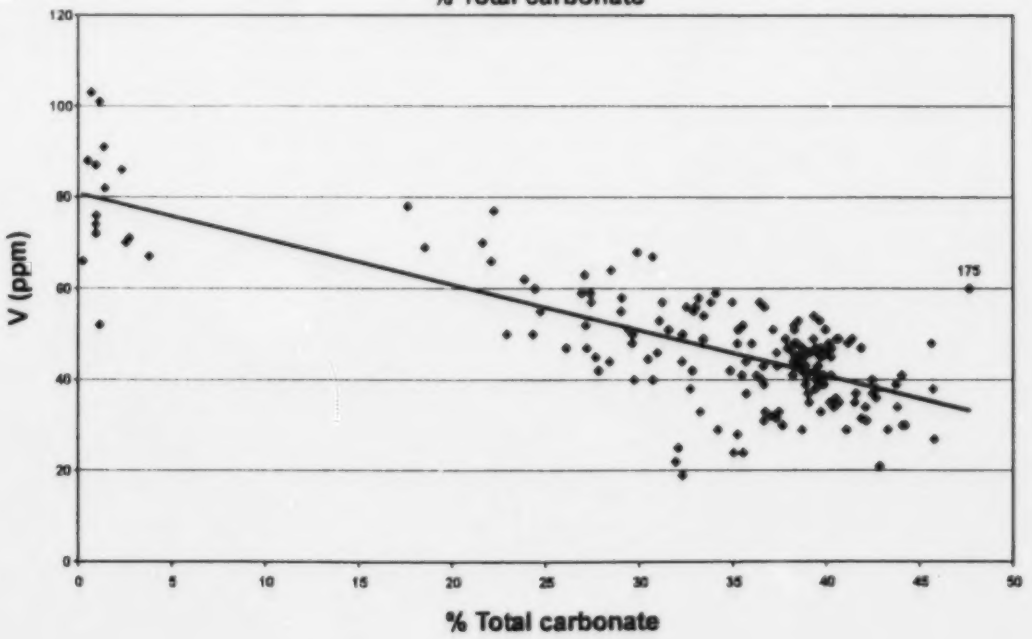
Appendix T-10-3



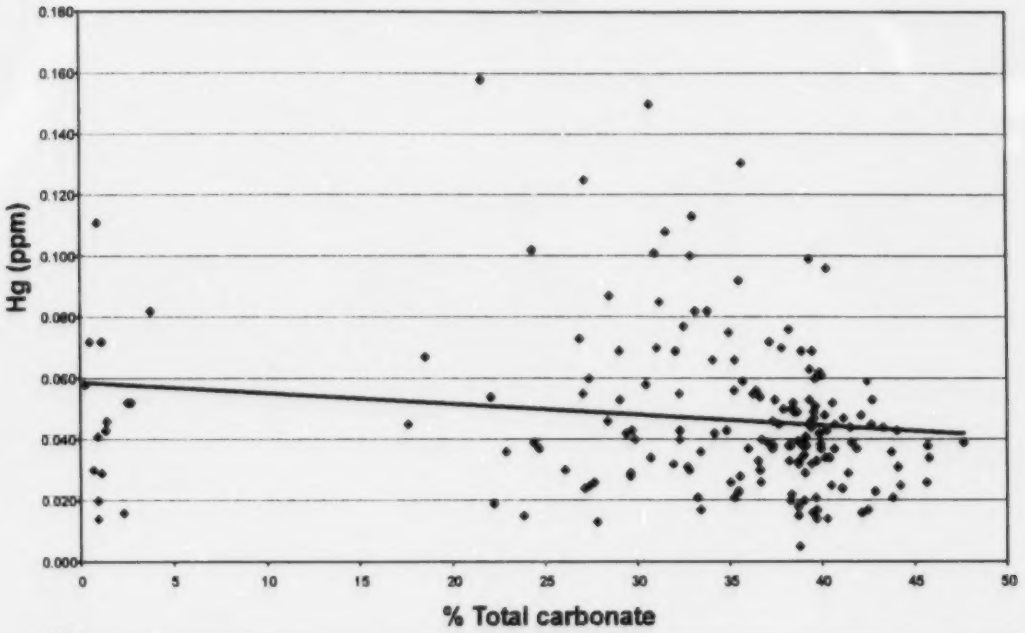


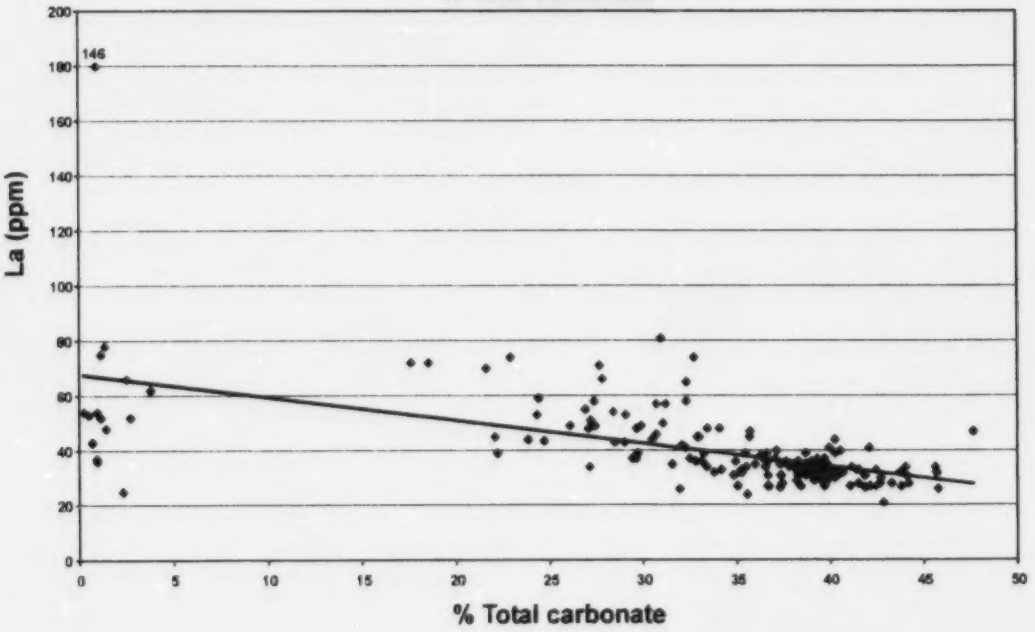
Appendix T-10-4

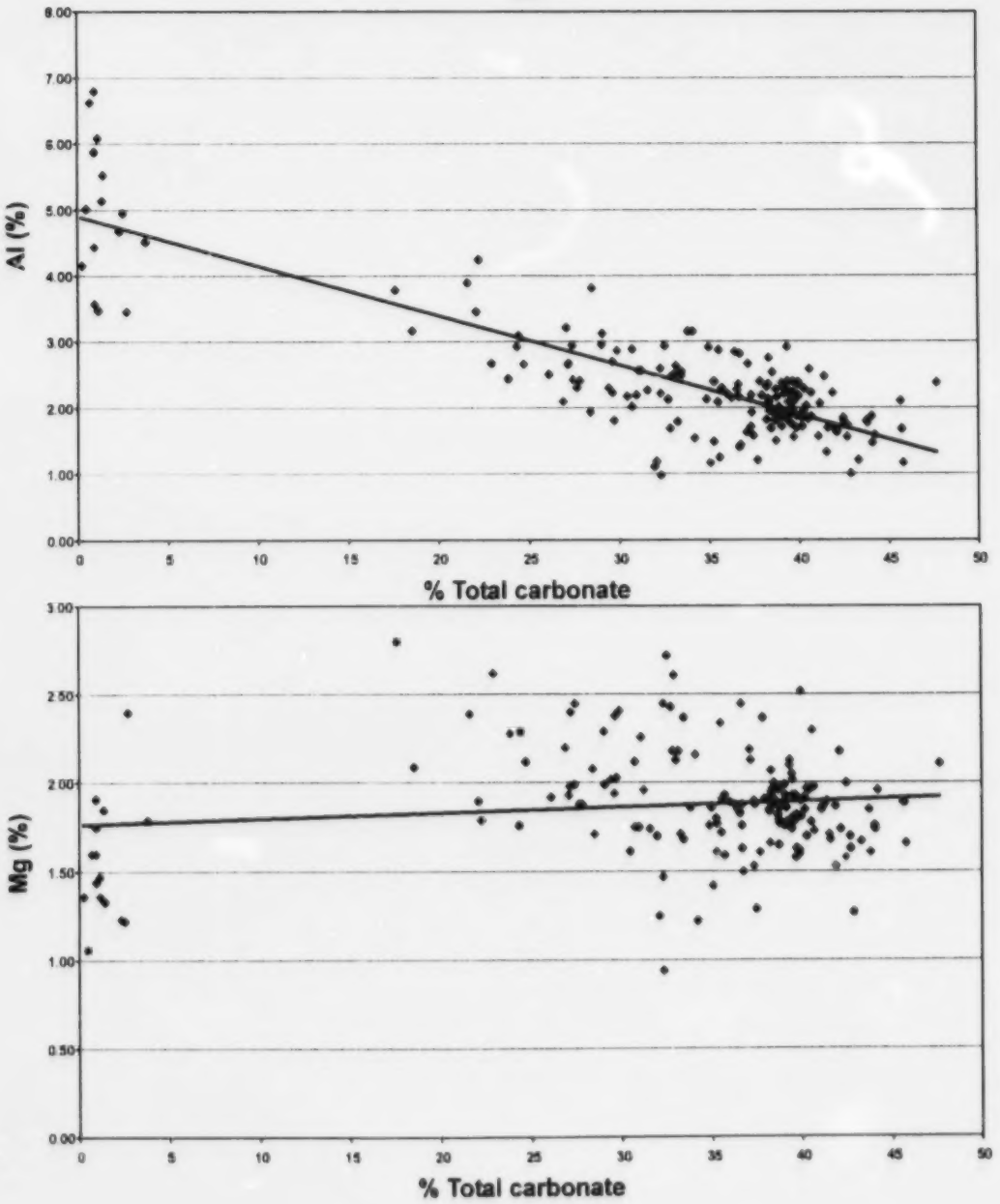


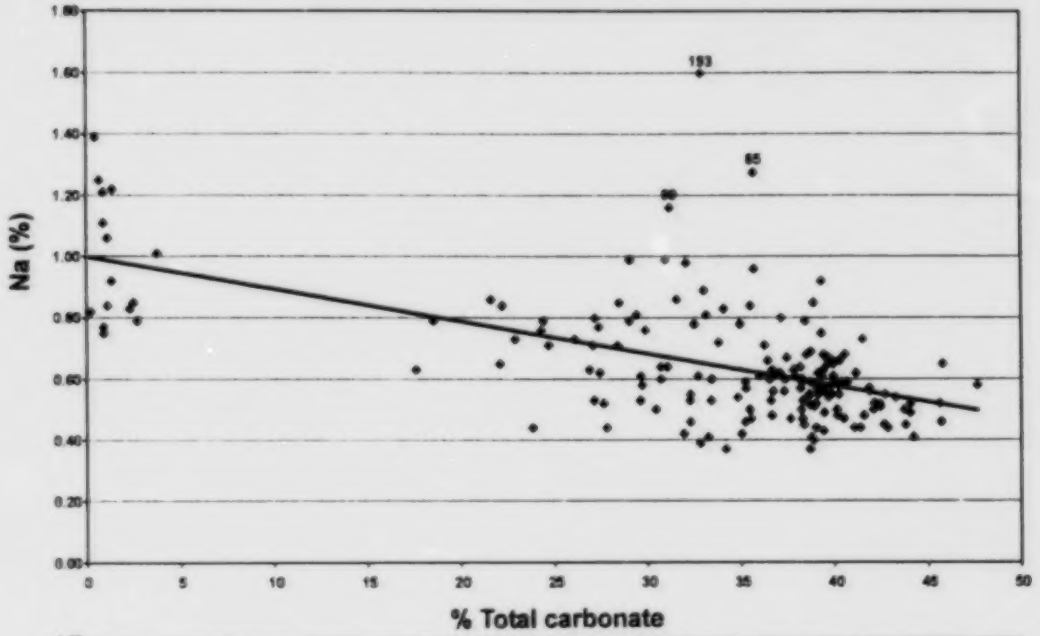


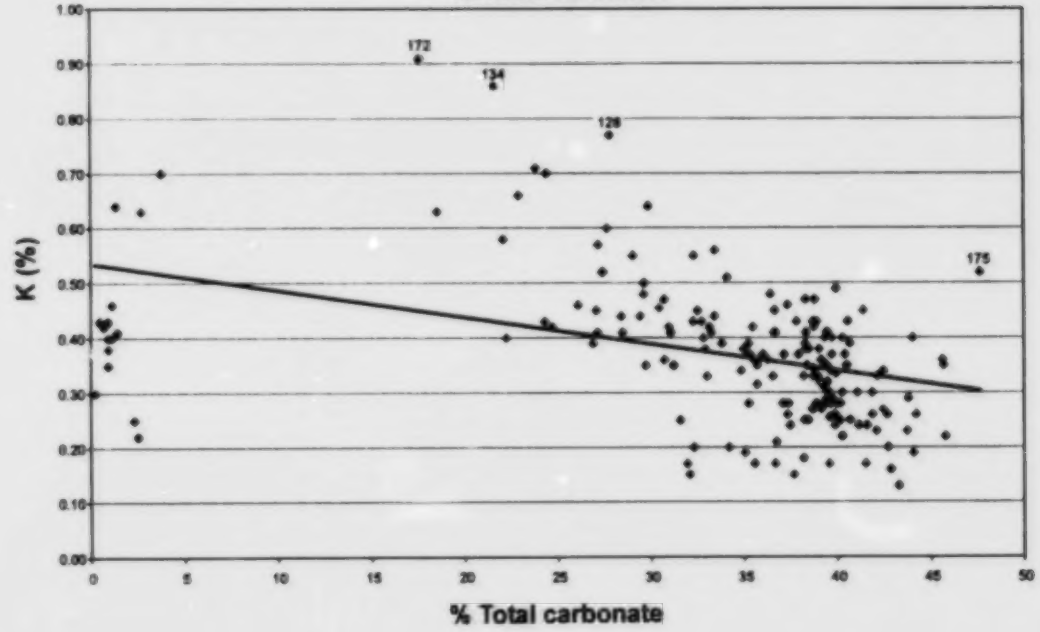
Appendix T-10-5


Hg (ppm)
0.160
0.140
0.120
0.100
0.080
0.060
0.040
0.020
0.000
0
5
10
15
20
25
30
35
40
45
50
% Total carbonate

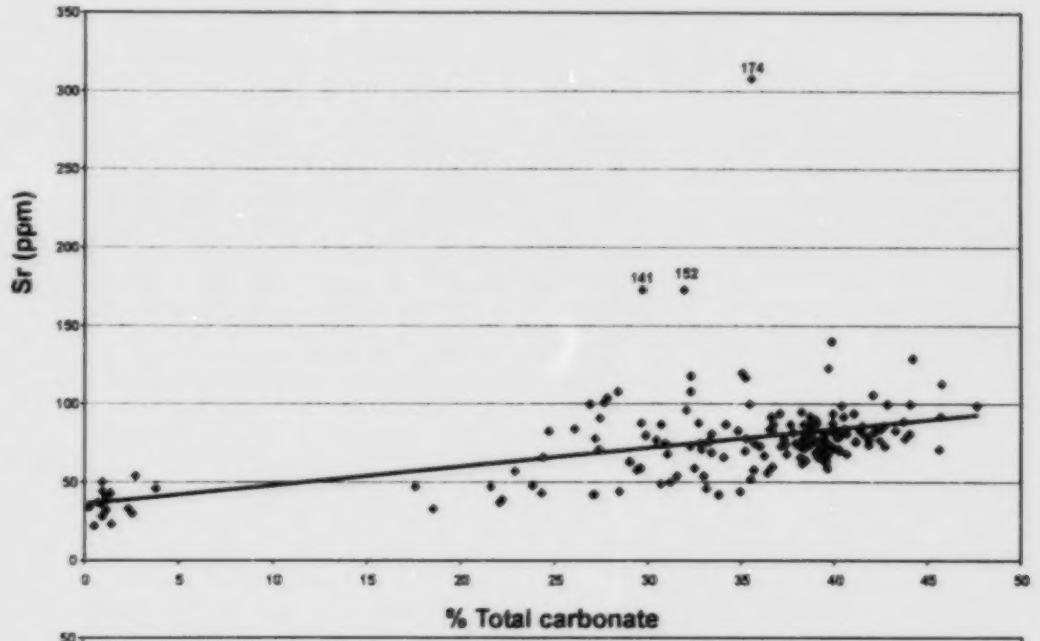

La (ppm)
146
200
180
160
140
120
100
80
60
40
20
0
0
5
10
15
20
25
30
35
40
45
50
% Total carbonate

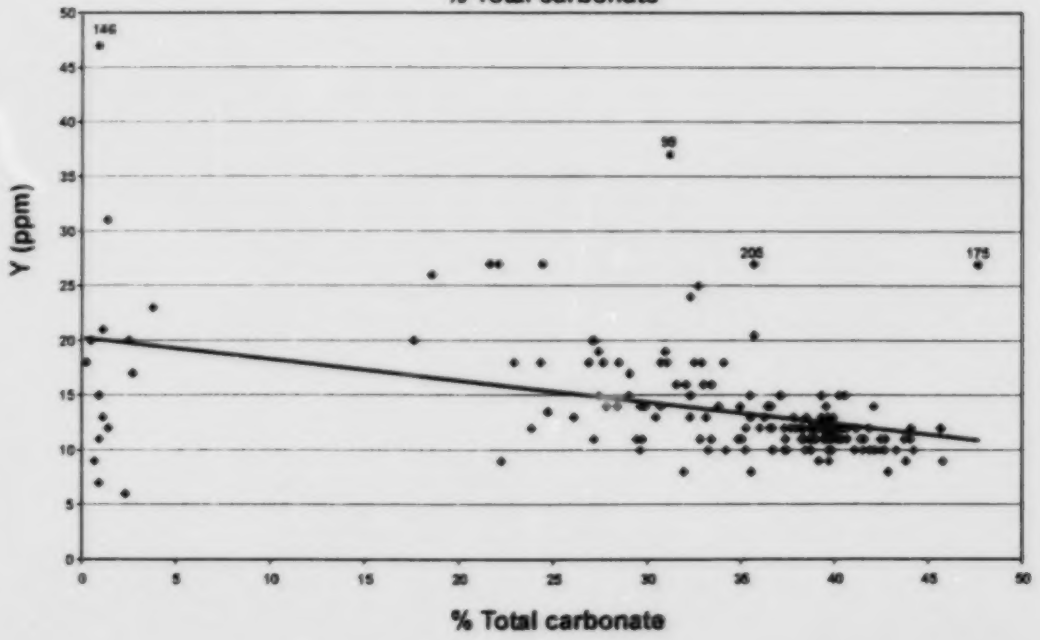

Al (%)
8.00
7.00
6.00
5.00
4.00
3.00
2.00
1.00
0.00
0
5
10
15
20
25
30
35
40
45
50
% Total carbonate
Mg (%)
3.00
2.50
2.00
1.50
1.00
0.50
0.00
0
5
10
15
20
25
30
35
40
45
50
% Total carbonate



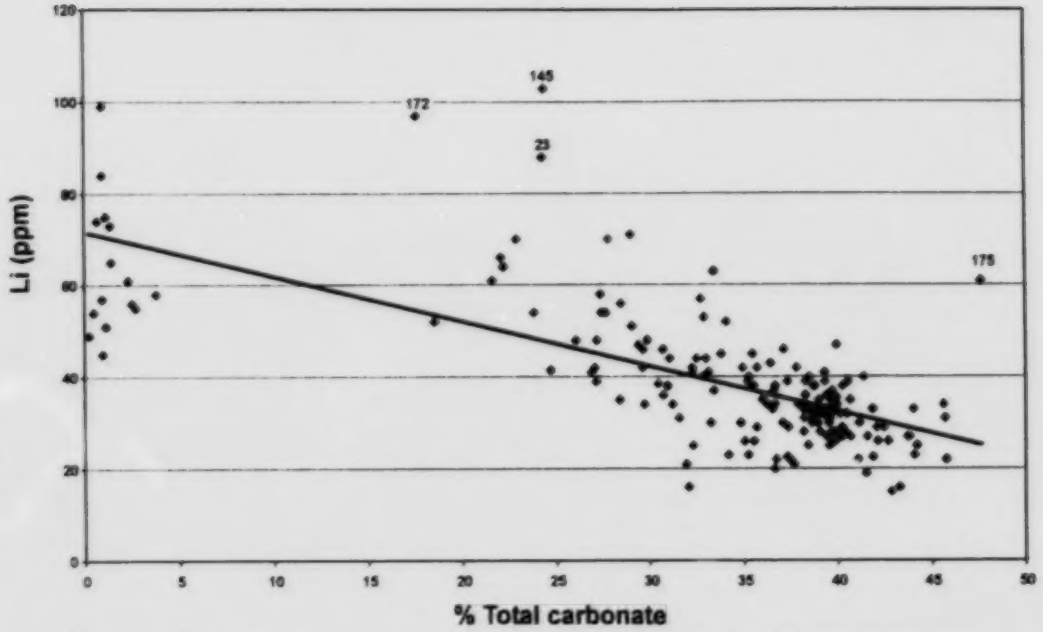


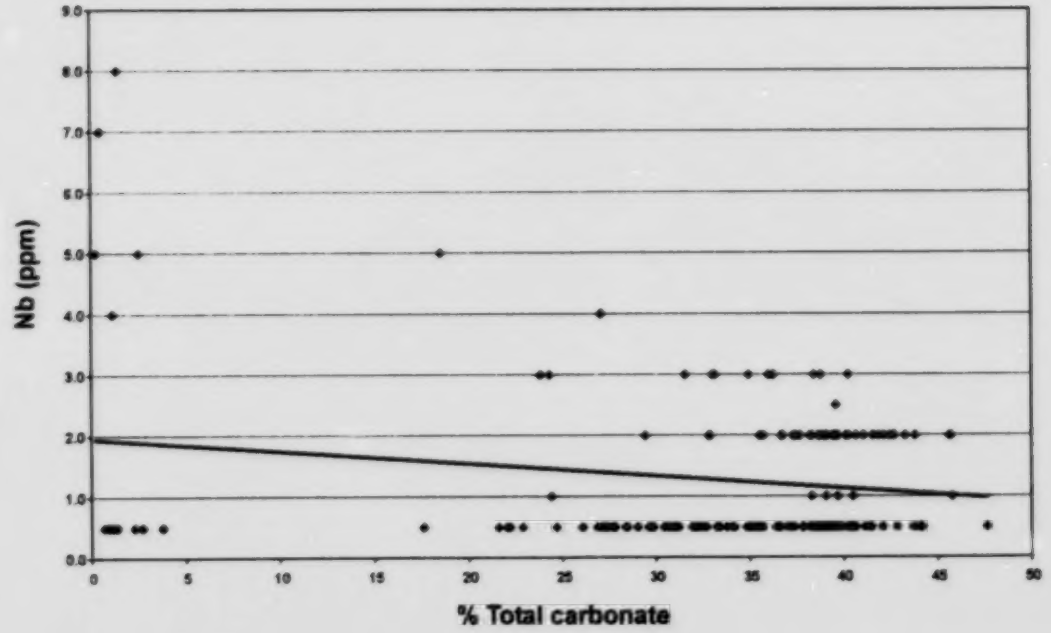
Appendix T-10-8



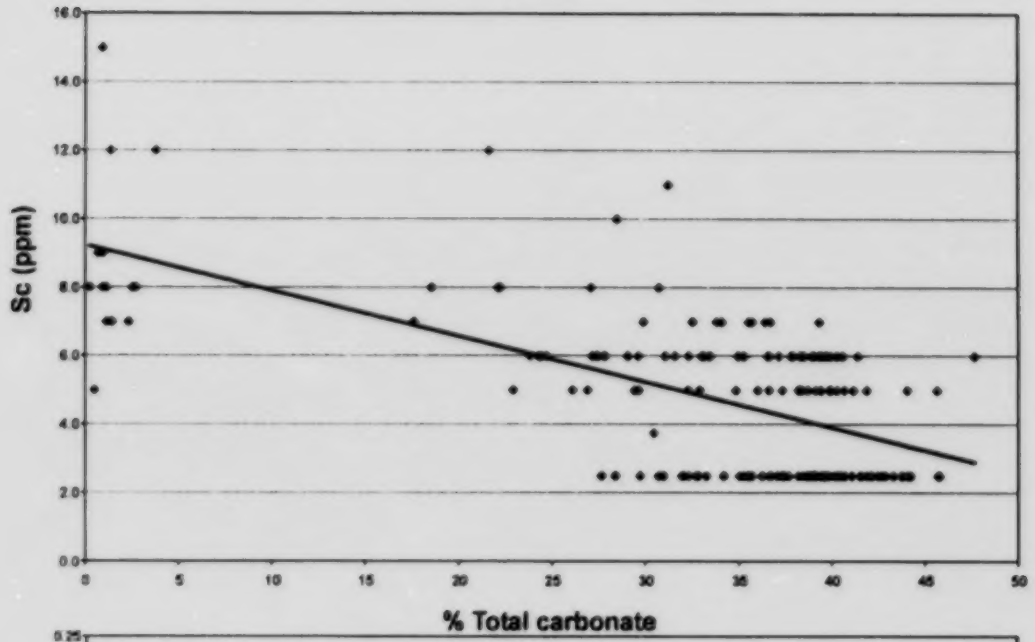


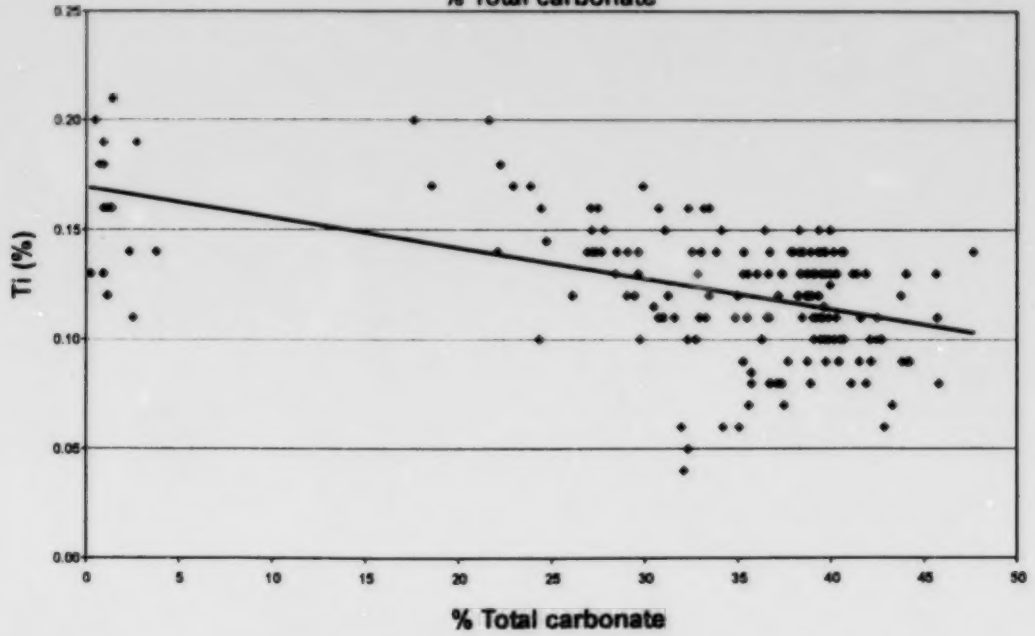
Appendix T-10-9



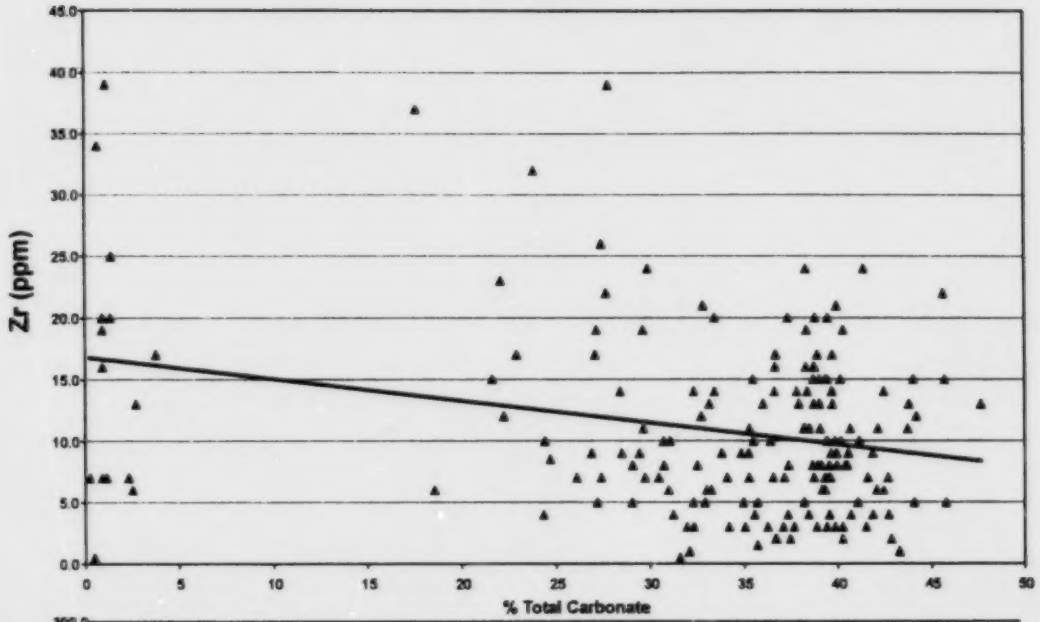


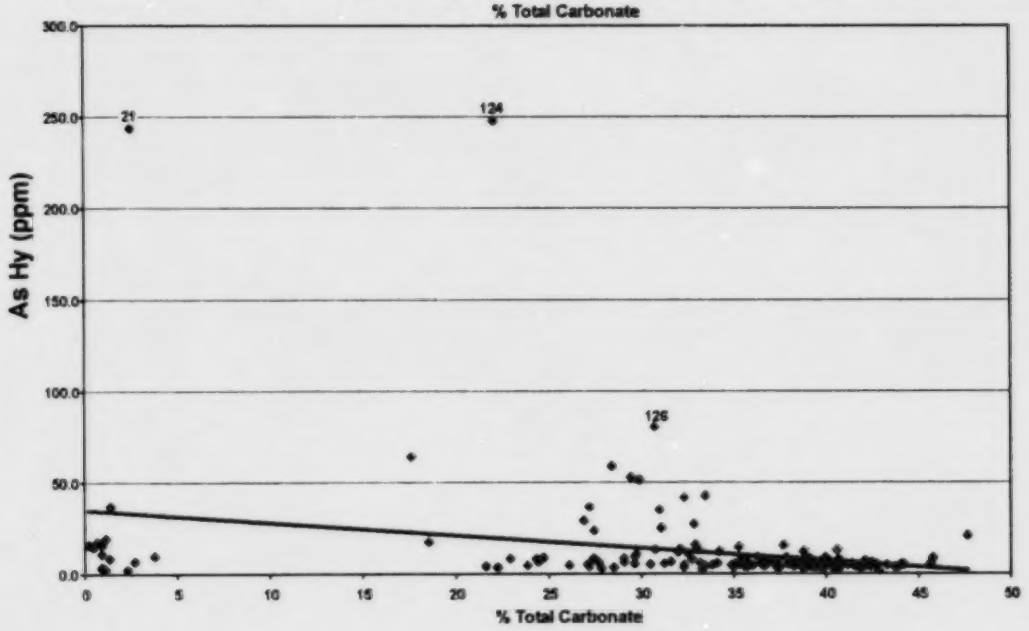
Appendix T-10-10





Appendix T-10-11


Zr (ppm)
45.0
40.0
35.0
30.0
25.0
20.0
15.0
10.0
5.0
0.0
0
5
10
15
20
25
30
35
40
45
50
% Total Carbonate


As Hy (ppm)
300.0
250.0
200.0
150.0
100.0
50.0
0.0
21
124
125
0
5
10
15
20
25
30
35
40
45
50
% Total Carbonate

TILL MINERALOGICAL SURVEY

Introduction

The mineralogy of glacial and non-glacial sediments can be utilized to define heavy mineral dispersion trains originating from lode gold, massive sulphide-type mineralization (VMS, sedex, Mississippi Valley-type), skarn, greisen and magmatic Ni-Cu mineralization. The minerals comprising these dispersion trains have physical characteristics that permit concentration by paramagnetic separation or by gravity (specific gravity > 3.2). The minerals also tend to be visually distinctive, coarse grained and generally only associated with altered and mineralized rocks. Indicator minerals can be subdivided into those that reflect metamorphosed massive sulphide-type and magmatic sulphide-type mineral deposits (MMSIM™), kimberlite indicator minerals (KIM) and gold deposits (gold grains).

Metamorphosed Massive and Magmatic Sulphide Indicator Minerals (MMSIM™)

These minerals reflect aluminosilicate alteration assemblages that characterize the depositional environment of massive sulphide type deposits as well as the abundant mineral species associated with magmatic Ni-Cu sulphide deposit formation by assimilation of sulphur-rich rocks by high temperature ultramafic magmas. Chrome diopside is an especially useful indicator of Ni-bearing peridotites and pyroxenites. Chalcopyrite is a particularly stable sulphide mineral compared to other sulphide species in weathered surficial sediments and as such is useful in defining sulphide mineral dispersion trains. Some of the MMSIM are common throughout regional high grade metamorphic terrains and are somewhat less diagnostic. These include kyanite, sillimanite, staurolite, andalusite and orthopyroxene. Some minerals such as gahnite, zincian staurolite, willemite and franklinite are enriched in ore-related elements and become useful as geochemical indicators of mineralization. A summary of heavy indicator minerals associated with metamorphosed massive sulphide-type deposits, Ni-Cu magmatic sulphide deposits and skarns is given in Tables 1, 2 and 3. Regional and/or thermal metamorphism of the host rocks to these deposit types serves to produce a coarser grained texture to mineral assemblages associated with mineralized zones.

Table 1: Common heavy indicator minerals of hydrothermal alteration zones associated with metamorphosed volcanosedimentary massive sulphide deposits in glaciated terrains (Averill, 1999).

Indicator mineral	Chemical composition	Indicator elements
sillimanite	Al_2Si0_5	Al
kyanite	Al_2Si0_5	Al
corundum	Al_20_3	Al
anthophyllite	$(Mg,Fe)_7Si_8O_{22}(OH)_2$	Mg
orthopyroxene	$(Mg,Fe)_2Si_2O_6$	Mg
Mg-spinel	$MgAl_2O_4$	Mg, Al
sapphirine	$(Mg,Al)_8(Al,Si)_6O_{20}$	Mg, Al
staurolite	$(Fe,Mg,Zn)_2Al_9(Si,Al)_4O_{22}(OH)_2$	Mg (±Zn), Al
tourmaline	$(Na,Ca)(Mg,Fe)_3Al_6(BO_3)_3(Si_6O_{18})(OH)_4$	Al, B
dumortierite	$Al_7(BO_3)(SiO_4)_3O_3$	Al, B
Mn-epidote	$Ca_2(Al,Fe,Mn)_3Si_3O_{12}(OH)$	Mn
spessartine	$Mn_3Al_2Si_3O_{12}$	Mn, Al
gahnite	$ZnAl_2O_4$	Zn, Al
franklinite	$(Zn,Mn,Fe)(Fe,Mn)_2O_4$	Zn, Mn
willemite	Zn_2SiO_4	Zn
Cr-rutile	$(Ti,Cr)O_2$	Cr
barite	$BaSO_4$	Ba, S
chalcopyrite	$CuFeS_2$	Cu, S
cinnabar	HgS	Hg, S
loellingite	$FeAs_2$	As
native gold	Au	Au

Table 2: Common heavy indicator minerals of magmatic Ni-Cu massive sulphide deposits in glaciated terrains (Averill, 1999).

Indicator mineral	Chemical composition	Indicator elements
hercynite	$FeAl_2O_4$	Al
olivine	$(Mg,Fe)SiO_4$	Mg
orthopyroxene	$(Mg,Fe)_2Si_2O_6$	Mg
low-Cr diopside	$Ca(MgCr)Si_2O_6$	Mg, Cr
chromite	$(Fe,Mg)(Cr,Al)_2O_4$	Cr, Mg, Al (±Zn)
uvarovite	$Ca_3Cr_2Si_3O_{12}$	Cr
Cr-rutile	$(Ti,Cr)O_2$	Cr
chalcopyrite	$CuFeS_2$	Cu, S
loellingite	$FeAs_2$	As
rammelsbergite	$NiAs_2$	Ni, As
sperrylite	$PtAs_2$	Pt, As
PGE alloys	PGE	PGE

Table 3: Common heavy indicator minerals of skarn and greisen deposits in glaciated terrains (Averill, 1999).

Indicator mineral	Chemical composition	Indicator elements
SKARN:		
forsterite olivine	Mg_2SiO_4	Mg
knebelite olivine	$(Fe,Mn)_2\ SiO_4$	Mn
vesuvianite	$Ca_{10}Mg_2Al_4(Si_2O_7)_2(SiO_4)_5(OH)_4$	Mg
johnannsenite	$CaMnSi_2O_6$	Mn
grossular	$Ca_3Al_2Si_3O_{12}$	Al±Cr
scheelite	$CaWO_4$	W
chalcopyrite	$CuFeS_2$	Cu, S
native gold	Au	Au
GRIESEN:		
topaz	$Al_2SiO_4(F,OH)_2$	Al, F
tourmaline	$(Na,Ca)(Mg,Fe)_3Al_6(BO_3)_3(Si_6O_{18})(OH)_4$	Al, B
fluorite	CaF_2	F
cassiterite	SnO_2	Sn
wolframite	$(Fe,Mn)WO_4$	Mn, W
chalcopyrite	$CuFeS_2$	Cu, S

Kimberlite indicator minerals (KIM)

Minerals such as chrome diopside and garnet that are associated with kimberlite are stable in immature glacial and non-glacial sediments. This observation makes them particularly attractive as regional and local indicators of diamond potential. Kimberlite indicator minerals tend to be medium- to coarse-grained and are concentrated up to tenfold in coarse sands, such as esker sediments, relative to till.

Gold grains

The identification of gold grain dispersal trains in glacial sediments has a long and successful history of application to exploration. Gold deposits have been discovered at Casa Berardi (Quebec), Timmins and Rainy River (Ontario) and in the La Ronge greenstone belt in Saskatchewan using this technique. The gold grains are silt-sized (<63 microns wide), can be pristine, modified or reshaped depending on transport distance and time and are depleted in esker sediments with till representing the most important sample medium. Pristine gold grains are generally modified after 1 km of transport in most depositional regimes and form dispersal trains down-ice from significant gold mineralized zones of less than 1 km. Examples of gold grain dispersal trains are provided in Table 4.

As part of the multimedia and multicommodity assessment of the northern Superior Province in Manitoba, an additional sample type was collected during the 1999 field program. This sample was approximately 8-10 kg of bulk till collected from the same sample pit as the bulk tills utilized for KIM studies. This new sample was forwarded for processing to OVERBURDEN DRILLING MANAGEMENT Ltd. (Nepean, Ontario) for the identification of indicator minerals associated with kimberlite, skarn and greisen deposits, metamorphosed massive sulphide and magmatic sulphide deposits and for the identification and characterization of gold grains in till that act as mineralogical pathfinders for gold deposits.

Table 4: Selected gold grain dispersal trains in glaciated terrains in Canada (Averill, 1999).

FOLD BELT	DEPOSIT NAME	TRAIN LENGTH[1] (m) TRACED	TRAIN LENGTH[1] (m) EST. TOTAL	GOLD GRAINS PER KG	AVERAGE GOLD GRAIN DIAMETER
Abitibi	Belore	400	400	2	50 - 100
Abitibi	Cooke Mine[3]	800	1000	Encapsulated	--
Abitibi	Golden Pond West	400	400[4]	3	50 - 100
Abitibi	Golden Pond	400	500[4]	2	50 - 75
Abitibi	Golden Pond East	800	1000[4]	6	25 - 75
Abitibi	Orenada	100	200	2	25 - 75
Abitibi	Kiena	100	300	3	10 - 75
Abitibi	Chimo	600	1000	4	50 - 75
La Ronge	EP[2] (Waddy Lake)	600	2000	10	10 - 100
La Ronge	Star Lake	300	800	2	10 - 50
La Ronge	Tower Lake	7000	7000[4]	10	10 - 50
La Ronge	Bakos	2000	2000	20	25 - 50
Lynn Lake	Farley Lake	400	400	1	25 - 75
Humber	Devil's Cove	2000	2000	6	10 - 100
Rainy River	17 Zone	2000	15 000[5]	10	10 - 50

[1] Based on minimum 10 gold grains of similar size and shape per standard 10 kg sample for free gold trains and coincident high gold and base metal assays for encapsulated gold trains.
[2] Deposit oriented parallel to glacial ice flow.
[3] Encapsulated gold deposit
[4] Train shortened and/or gapped by erosion in last ice advance.
[5] Train length enhanced by a 5 km^2 Au-bearing alteration zone surrounding Au deposit.

High specific gravity indicator minerals have characteristics that make them particularly useful in mineral exploration. These minerals are generally coarse grained and visually distinctive, are associated with mineralization and related alteration zones, have specific gravities >3.2 allowing them to be concentrated by gravity methods and are amenable to paramagnetic separation. They are also relatively resistant to weathering. The minerals associated with massive sulphide and/or magmatic sulphide mineral deposits are referred to as "MMSIMs" ™. The MMSIMs are found in volcanic and

sedimentary rock hosted massive sulphide deposits in high grade regional metamorphic terrains, in skarn and greisen mineralization and in Ni-Cu deposits. Chalcopyrite, a common sulphide mineral in many of these deposits is particularly useful since it is relatively stable in weathered surficial sediments. Minerals that most commonly reflect alteration associated with base metal mineralization include kyanite, sillimanite, staurolite, spessartine, anthophyllite, orthopyroxene and barite.

Gold grains are somewhat different than MMSIMs in that they tend to be silt-sized (<63 microns) and, as a consequence, have different dispersal patterns in surficial sediments. Gold grains are most abundant in till whereas MMSIMs predominate in esker sands and gravels. Gold grain abundances vary in tills from different locales and have average abundances of 1 grain/10 kg sample in areas of thick Phanerozoic cover (prairies) to approximately 20 grains/10 kg on down-ice margins of volcanosedimentary belts such as the Abitibi greenstone belt.

KIMBERLITE INDICATOR MINERAL SURVEY (MONOPROS LTD.)

Introduction

Minerals such as garnet, chromite, ilmenite and diopside in glacial sediments have been used as kimberlite indicators. Specifically, the chemistry of these grains has been used to imply their mode of occurrence in diamonds as inclusions or in kimberlites (cf. Dawson and Stephens, 1975; Gurney, 1984). All recognized kimberlite indicator minerals are chemically stable in immature glacial sediments.

Garnets have received considerable attention as kimberlite indicators and have been chemically classified according to their relevance as kimberlite indicator minerals (KIM). Ca-depleted diamond inclusion chrome pyropes have been termed 'G10' (Gurney, 1984; Dawson and Stephens, 1975). They indicate a harzburgitic peridotite origin and are more closely associated with diamonds than are the garnets of lherzolitic origin, which are termed 'G9'. Eclogitic garnets, with Na_20 concentration of greater than 0.09%, have been observed as inclusions in diamonds and, thus, also represent valuable indicator minerals.

Diamond inclusion chromites with Cr_20_3 greater than 60% are considered to be kimberlite indicator minerals, equal in significance to G10 garnets. They are interpreted to represent sampling of diamond-bearing zones in the mantle by kimberlite magmas. High-Mg ilmenite are interpreted to reflect the reduced conditions that are necessary for the preservation of diamonds as the magma ascends through the crust. Kimberlite-hosted ilmenite generally has MgO concentrations of 4-15 wt % and greater than 2% Cr_20_3. Chrome diopside with greater than 1% Cr_20_3 has been utilized as a useful kimberlite indicator mineral (Morris et al., 1998).

Sample collection

An eleven litre pail of glacial till was collected from each sampling site where appropriate material was encountered. These samples were shipped to MONOPROS Ltd. at the end of the 1999 sampling program for processing.

Sample preparation and analysis

This paraphrased description of sample preparation and analysis was supplied by MONOPROS Ltd. The eleven litre samples were screened at 2.0 mm, with the oversize discarded except for a representative aliquot of the +2.0 – 5.6 mm fraction, which is used for pebble counts. The –2.0 mm size fraction was passed over a 0.3 mm aperture sieve and the –0.3 mm size fraction was discarded. The +0.3 mm – 2.0 mm fraction was concentrated by gravity separation, dried in ovens and the further sieved into +1.0-2.0 mm, +0.5-1.0 mm and +0.3-0.5 mm size fractions, which were packaged, labeled and shipped to MONOPROS laboratories for further treatment.

These three size fractions were individually separated using the heavy liquid bromoform (Specific Gravity – 2.86). The heavy fractions that sink through the bromoform were washed and sorted for kimberlitic indicator minerals. Indicator minerals were analyzed by microprobe.

Data display

Abundances of kimberlite indicator minerals are portrayed using bubble plots. The greater the abundances of any particular indicator mineral at a sample site the larger the bubble. A mylar sample site location map overlay to use with the bubble plots is provided in the back pocket.

Preliminary interpretation of the 1999 kimberlite indicator minerals survey

The chemistry of picked KIM, microprobed and classified for this study, are summarized in Appendix KM-1. Kimberlite indicator mineral abundances by sample site is listed in Appendix KM-2. Classification, based on mircoprobe chemistry in Appendix KM-1, utilized the chemical parameters from Thorleifson et al. (1994) in Tables 5 and 6. Field boundaries for garnets and chrome spinel discriminant diagrams are from Gurney (1984; Fig. 4) and Fipke et

al. (1995; Fig. 5, 6), respectively. Figure 7, a diagram depicting the parabolic relationship of Cr_2O_3 and MgO in ilmenite, is derived from the work of Haggerty (1975). Haggerty and Tompkins (1983) recognized the value of ilmenite compositions in determining the redox state of the earth's mantle and Gurney and Moore (1993) illustrated the potential for predicting diamond preservation in a kimberlite on the basis of ilmenite composition. A sample site location map for the Knee Lake Belt is provided in Figure 3a. Figure 3b (in back pocket) is a mylar sample site location map overlay. Kimberlite indicator mineral abundances for the Knee Lake Belt are presented in Table 7.

Results

Figures 8 through 14 are bubble plots for individual kimberlite indicator minerals (KIM) throughout the 1999 survey area. These plots represent KIM from combined +1.0-2.0 mm, +0.5-1.0 mm and +0.3-0.5 mm size fractions of the sample. Total KIM abundances are plotted in Figure 14. It is important to note that bubble plots for KIM data portray all sites at which a sample was collected. To gain a true appreciation for the significance of these geographic distributions and clustering, these maps should be viewed using the mylar overlay depicting all multimedia sample locations. Survey results for the Knee Lake greenstone belt are described below and summarized in Table 7.

In the 1999 KIM survey samples, 13 KIM indicator mineral grains were recovered in the –2.0+1.0 mm size fraction, 106 grains were recovered in the –1.0+0.5 mm size fraction, and 211 grains were recovered in the –0.5+0.3 mm size fraction. Unlike the results from the 1998 survey no original surface remnants were observed on any of the kimberlite indicator mineral grains. This includes kelyphite, perovskite mantles on ilmenite and original surface remnants on chrome diopside grains.

Highly elevated abundances of chrome spinel grains in the 1999 survey area (Fig. 8) are confined to site 104 where 29 grains were identified. Additionally, four grains from site 84 and a further two grains from site 83 were observed in tills up-ice from site 104. Five chrome spinel grains are documented from site 257 south of the west end of Knee Lake. Single grains of chrome diopside (Fig. 9) were identified at three sites south of the west end of Knee Lake at sites 248, 320 and 334. Titanium-chrome pyrope garnet grains are widely scattered across the 1999 survey area (Figure 10). Two grains are identified from site 100, north of site 104 where 29 chrome spinels were found. Three G9 garnets were identified from site 48 (Fig. 11) near the eastern extent of the 1999 sampling area. The remainder of the G9 garnets are dispersed throughout the survey area. A total of eight grains of G10 garnets were identified in this year's survey. This represents the most in any one year of Operation Superior. The grains are more or less concentrated in the general area of Cinder Lake (Fig. 12) and form a crude dispersal train for sites 18, 48, 51 and 279 and a second train for sites 150, 151 and 71. The final grain is located at site 83 north of the northern belt margin. The materials sampled at these sites include till from sites 18, 71, 83, 150, 151 and sand from sites 48 and 279. The sample from site 51 was an oxidized, limonitic-hematitic alluvium that was unlike the grey-beige carbonate-rich tills that characterize the 1999 survey area. In addition to the G10 garnet, a G9 garnet was also documented from site 48. Magnesian ilmenite grains are relatively abundant in this year's survey area with two main areas of concentration. The first is located near the northwestern corner of the survey area at or near the northern margin of the belt and the second is southeast of Cinder Lake. The magnesian ilmenite grains near Cinder Lake are documented from sites 18 and 46 with 4 grains from each site. This area is also characterized by G9 and G10 garnets. A crude alignment of magnesian ilmenites occurs in the northwest corner on the basis of sites 89, 94, 97, 124 and 126. Figure 14 presents total kimberlite indicator mineral abundances for the 1999 survey area. The main areas of interest include the northwest corner of the survey area where total abundances are strongly skewed by the occurrence of 29 chrome spinels at site 104 and the area southeast of Cinder Lake where G9, G10 and magnesian

Table 5: Guidelines for preliminary mineral identification (Thorleifson et al., 1994).

Total <70%	+ CaO >44%	Apatite
Total <70%	+ FeO >50%	Siderite
Total <70%	+ Al_2O_3 >40%	Gahnite
Total 34%	+ SiO_2 33%	Zircon
Total <70%		low total; eg. phosphate sulphate, carbonate
SiO_2 <20%	+ Cr_2O_3 >60% + MgO >12%	diamond inclusion Cr-spinel
	+ Cr_2O_3 >10%	Cr-spinel
	+ TiO_2 >70%	Rutile
	+ TiO_2 >30% + MgO >6%	Mg-ilmenite
	+ TiO_2 >30%	Ilmenite
	+ TiO_2 >1%	Ti-Fe-oxide
	+ FeOt >90%	Magnetite
	+ FeOt >80%	Hematite
	+ FeOt >40%	Goethite
	+ Al_2O_3 >80	Corundum
	+ Al_2O_3 >30% + Fe0 >20%	Hercynite
	+ Al_2O_3 >30%	Spinel
SiO_2 >75%		Quartz
SiO_2 >55%	+ Al_2O_3 >16%	Feldspar
TiO_2 >20%		Sphene
Al_2O_3 >55%		Kyanite
Al_2O_3 >45%		Staurolite
Al_2O_3 >24%	+ total <90% + MgO >5.3%	Mg-tourmaline
Al_2O_3 24%	+ total <90% + MgO <5.3%	Fe-tourmaline
Al_2O_3 24%	+ total<98% + CaO 22.2-25%	Epidote
SiO_2 <47%	+ K_2O >0.5% or Na_2O >1% or SiO_2 41-47% _ Cr_2O_3 <0.5%	Amphibole
SiO_2 >47%	+ CaO <3.1%	OPX
	+ Na_2O >2.7%	Na-CPX
	+ FeOt >6.1%	Fe-CPX
	+ >0.5% Cr_2O_3	Cr-diopside
	Remainder	Diopside
MgO >25%		Olivine
Garnet	+ MgO >13% + Cr_2O_3 >0.5%	Cr-pyrope
	+ MgO >4% + CaO >2% + TiO2 >0.2%	Eclogitic garnet
	+ Cr_2O_3 >14%	Uvarovite
	+ MgO >13%	Pyrope
	+ TiO_2 >2.5 + Al_2O_3 <11.5%	Melanite
	+ CaO >16% + Al_2O_3 <11.5% + Cr_2O_3 >1%	Cr-andradite
	+ CaO >16% + Al_2O_3 <11.5%	Andradite
	CaO >30% + Cr_2O_3 >1%	Cr-Grossularite
	+ CaO >30%	Grossularite
	+ MnO >21%	Spessartite
	+ FeOt >25%	Almandite
	Remainder	Garnet

Table 6. Kimberlite indicator mineral classification (Thorleifson et al., 1994)

1. Cr-spinel	>60% Cr_2O_3 + >12% MgO	diamond inclusion Cr-spinel
2. Ilmenite	>-6% MgO	Mg-ilmenite
3. Pyroxene	>0.50% Cr_2O_3	Cr-diopside
4. Garnet	>13% MgO and >0.50% Cr_2O_3	Cr-pyrope
	>0.30% TiO_2 + 4.0% Cr_2O_3	G11 titanian, Cr-pyrope
	>90% TiO_2	G2 titanian, Cr-pyrope
	>0.30% TiO_2	G1 titanian, Cr-pyrope
	>12.0% Cr_2O_3	G12 Non-titanian, Cr-pyrope
	CaO <0.285 (Cr_2O_3)+3.14	G10 Non-titanian, Cr-pyrope
	CaO >0.285 (Cr_2O_3)+5.14	G7 Non-titanian, Cr-pyrope
	Remainder	G9
	>4.0% MgO + >2.0% CaO	Eclogitic garnet
	+ >0.20% TiO_2 + >19% Al_2O_3 + <0.5% Cr_2O_3	
	>0.60% TiO_2	G4
	>16.0% CaO	G8
	>12.0% CaO	G6
	Remainder	G3

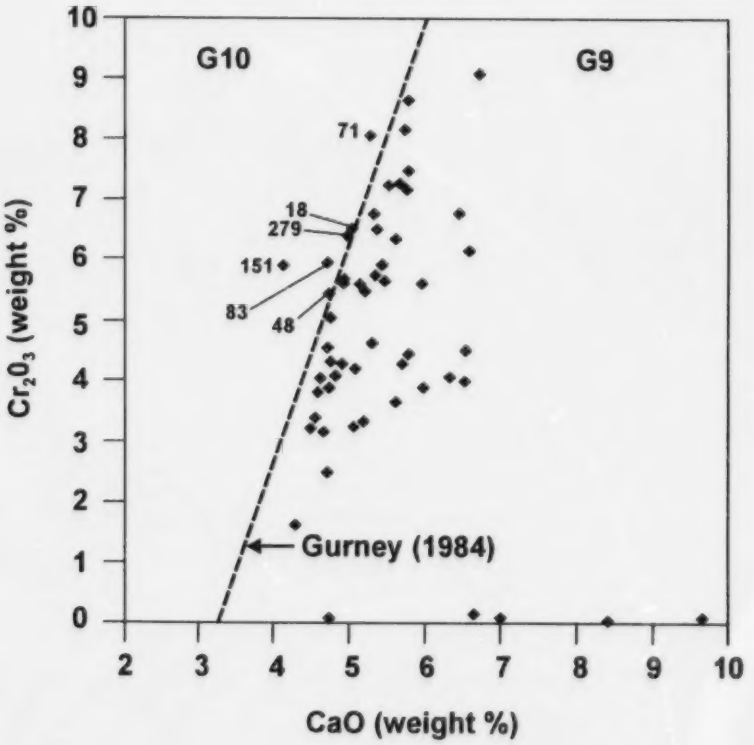


Figure 4: Cr_2O_3 vs. CaO discriminant diagram for 'G9' and 'G10' garnets.

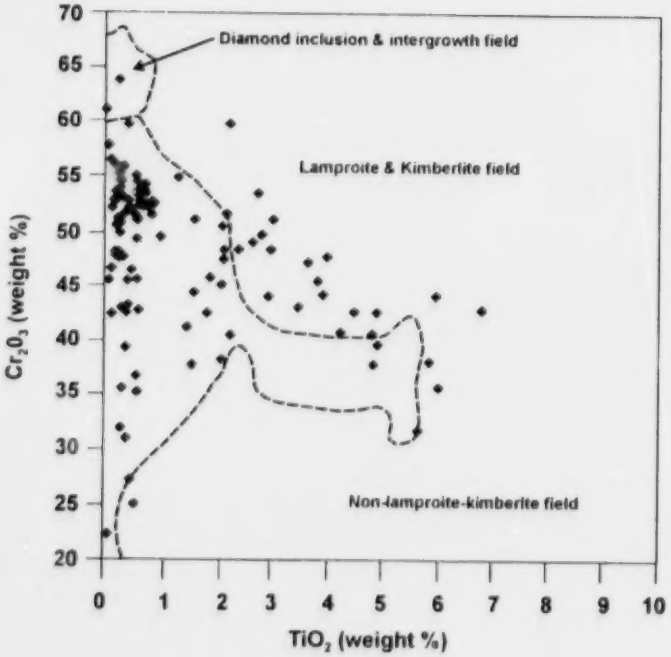


Figure 5: Cr_2O_3 vs. TiO_2 discriminant diagram for diamond inclusion, lamproite and kimberlite spinels.

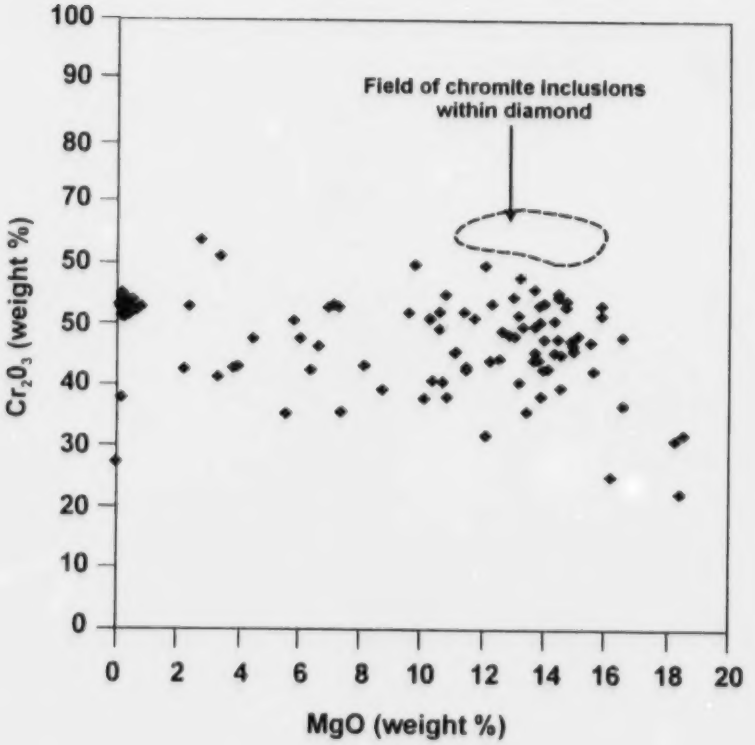


Figure 6: Cr_2O_3 vs. MgO discriminant diagram for diamond inclusion spinel.

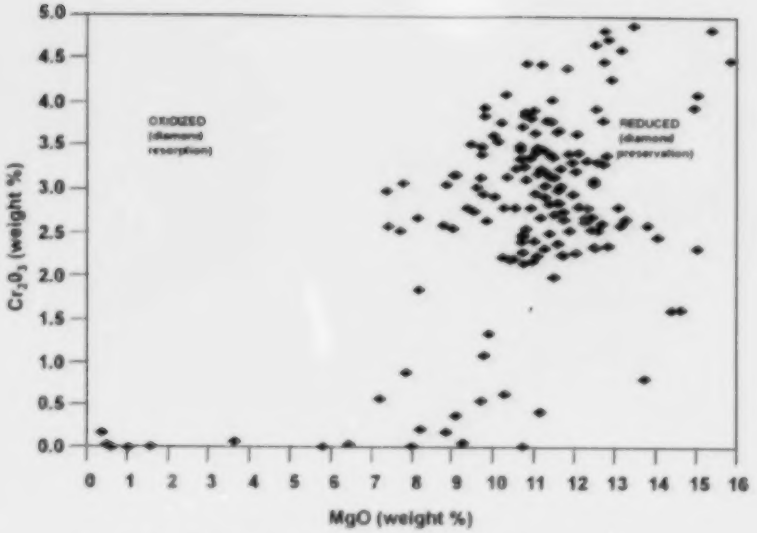


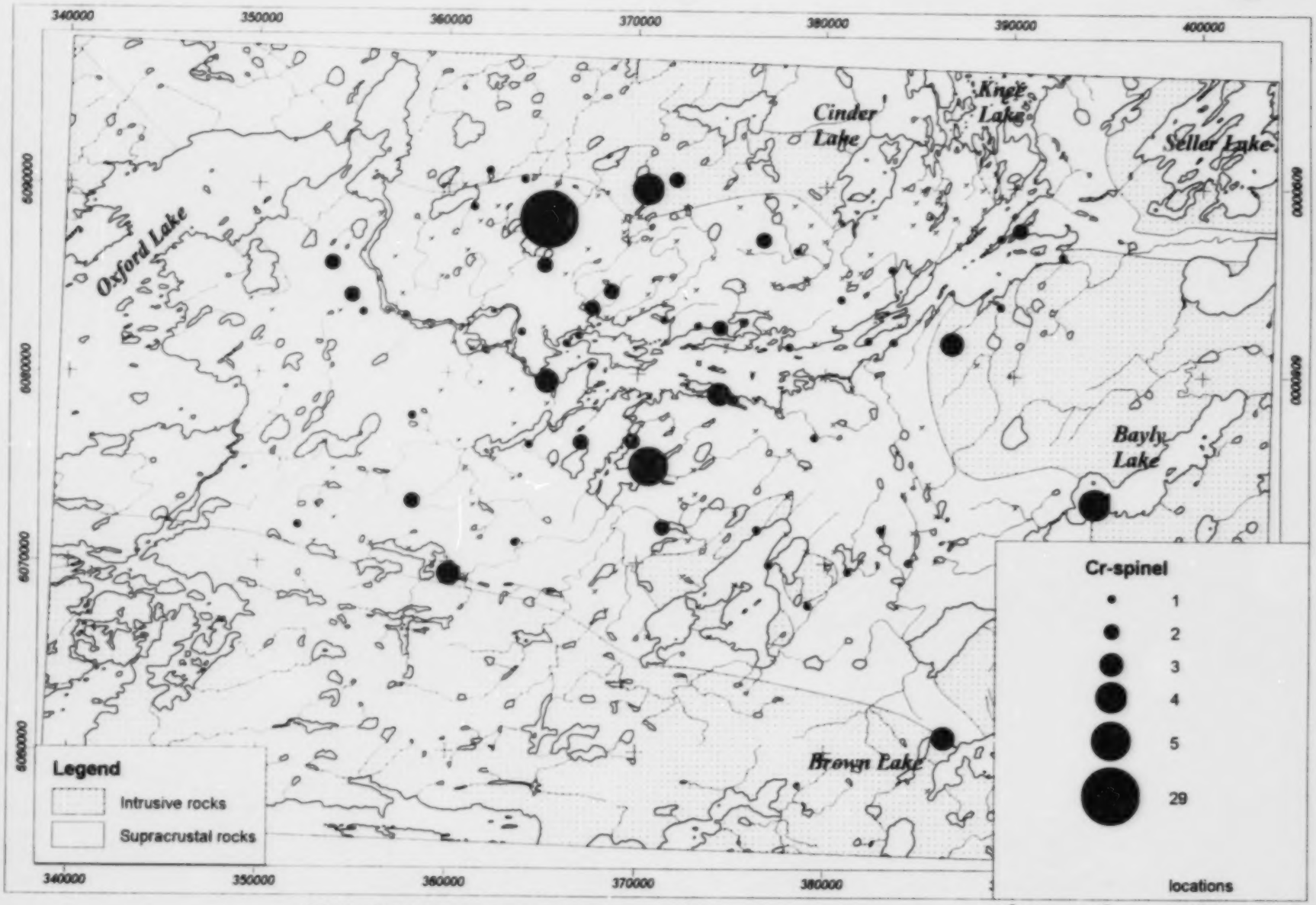
Figure 7. Cr_2O_3 vs. MgO parabolic discriminant diagram for ilmenite

Table 7. Summary of kimberlite indicator mineral grains, 1999 survey, southern Knee Lake greenstone belt.

Cr-Spinel	Chrome Diopside	Ti-Cr Pyrope	G9	G10	Mg-Ilmenite	Total KIM
115	3	14	30	8	160	330

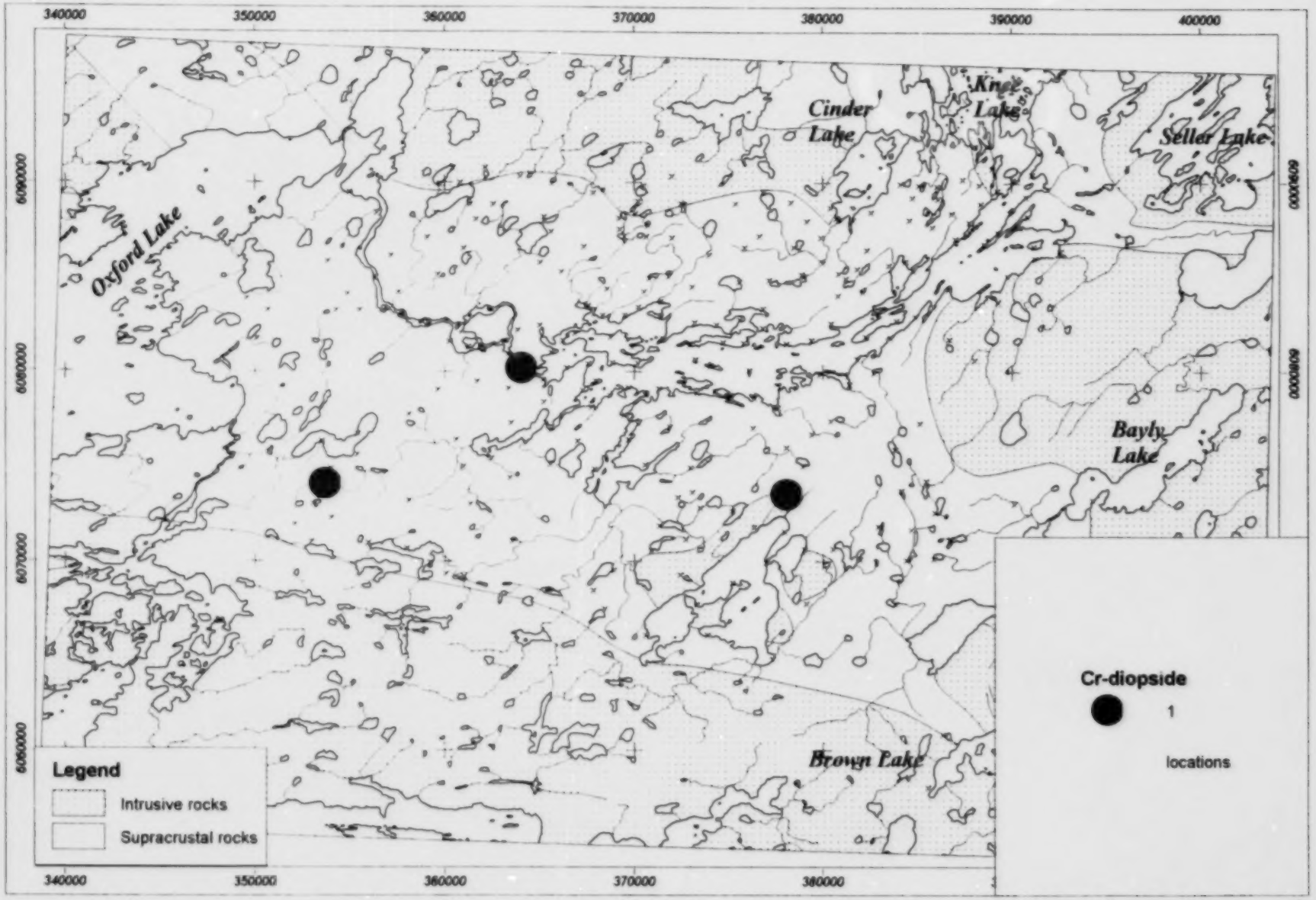
ilmenite grains define a dispersal train of KIM. Because of the absence oforiginal surface remnants on the KIM grains it is likely that the KIM source areas occurs to the northeast of (or up-ice from) the 1999 survey area.

A potentially significant observation regarding geochemical and mineralogical responses in this year's till sampling program has been made. Trace element geochemical responses and the abundances of kimberlite indicator elements are documented to be greatest in till samples collected from the northern portion of the study area. Additionally, dolomite percentages are significantly higher in this area of volcanic rock-dominated geology which suggests different provenance for tills in the north from those in the south portion of the survey area. One final difference in the surficial geology in the 1999 area that may have profound effects on sampling programs is the predominance of non-drumlinized till in the north versus the preponderance of drumlinized till in the south. Non-drumlinized till, on the basis of more significant geochemical responses and greater numbers of kimberlite indicator minerals may represent the preferred sampling medium for base and precious metals, and diamonds.



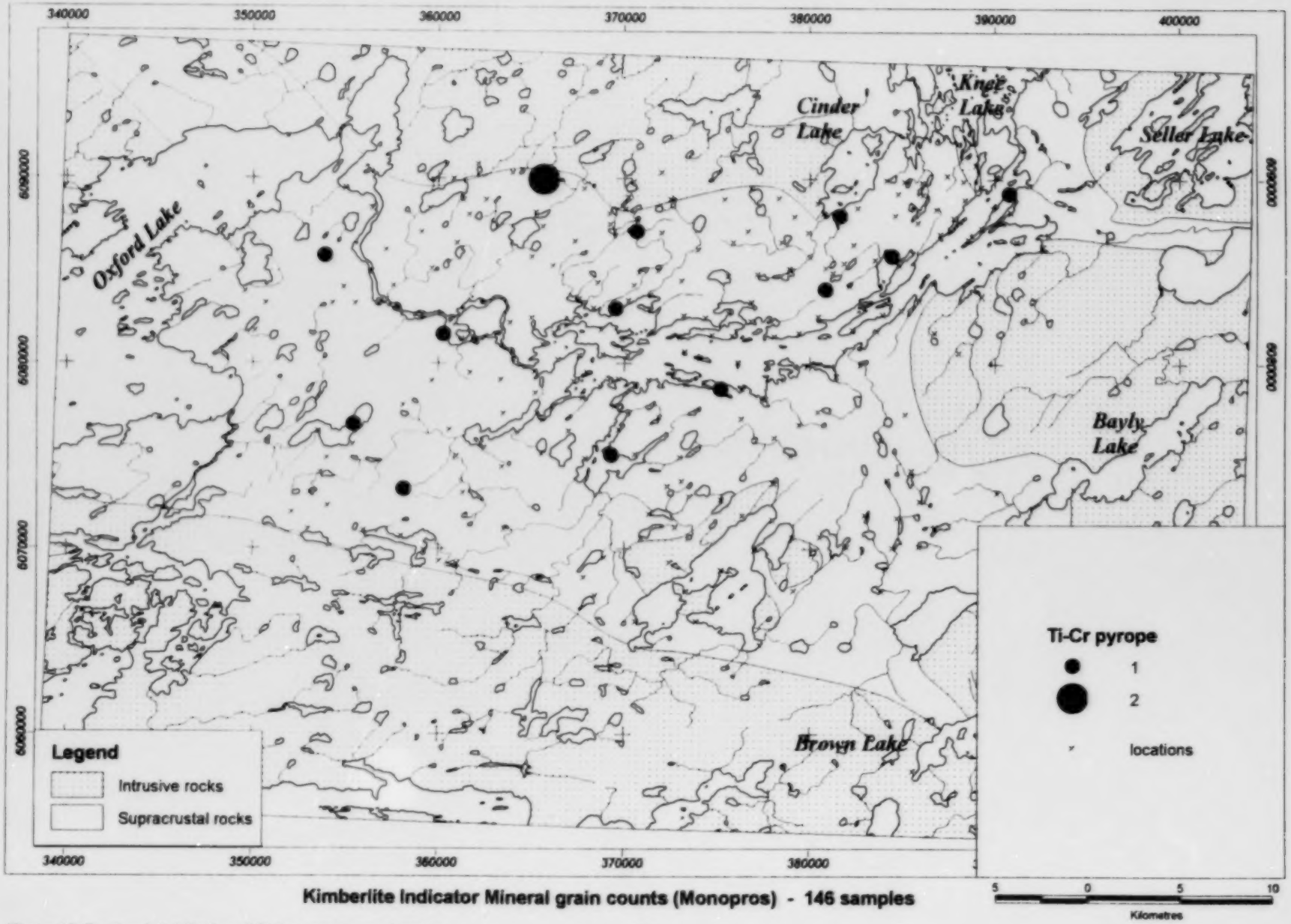
Kimberlite Indicator Mineral grain counts (Monopros) - 146 samples

Figure 8: Regional distribution of Cr spinel grains.



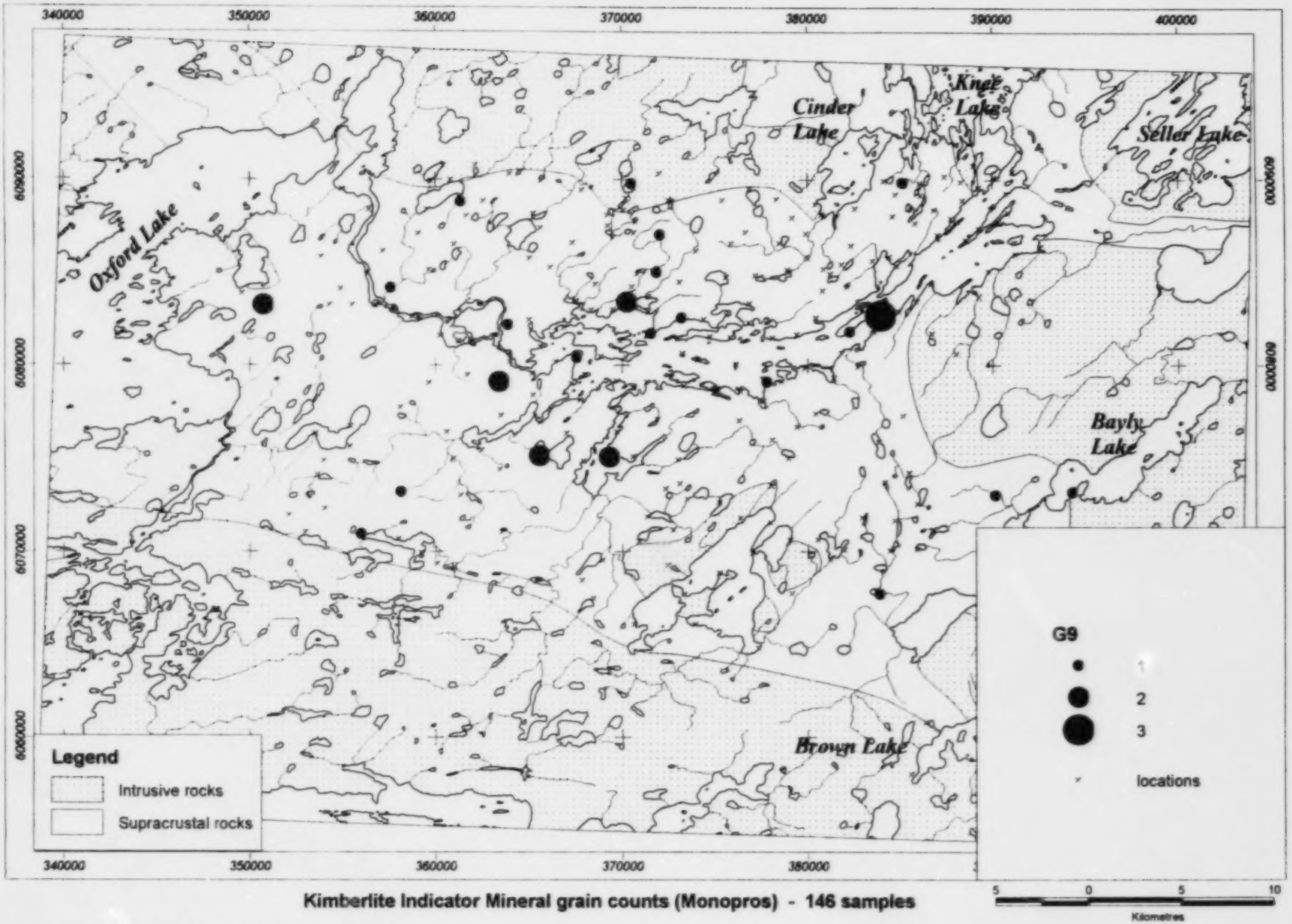
Kimberlite Indicator Mineral grain counts (Monopros) - 146 samples

Figure 9: Regional distribution of Cr diopside grains.



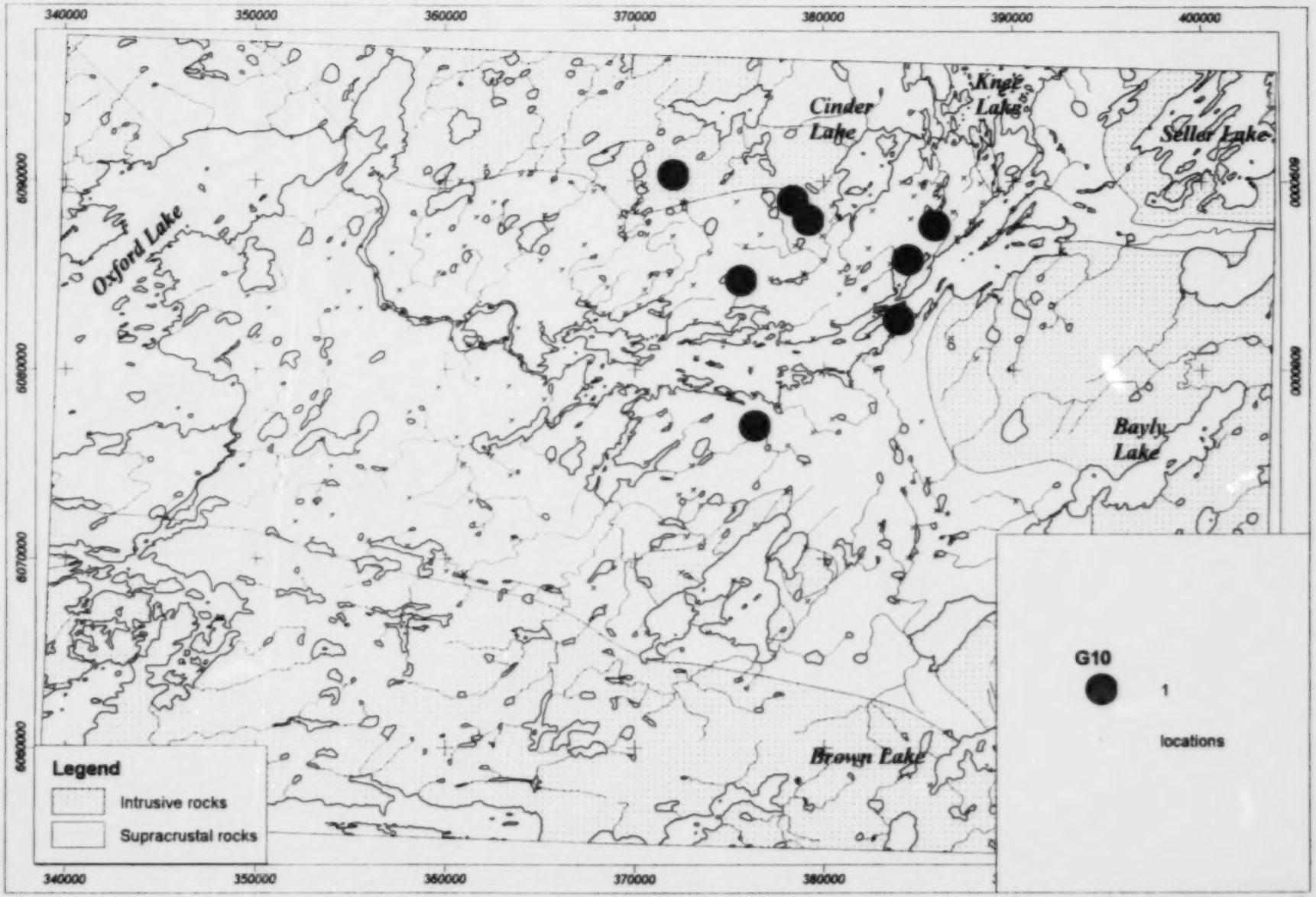
Kimberlite Indicator Mineral grain counts (Monopros) - 146 samples

Figure 10: Regional distribution of Ti-Cr pyrope garnet grains.



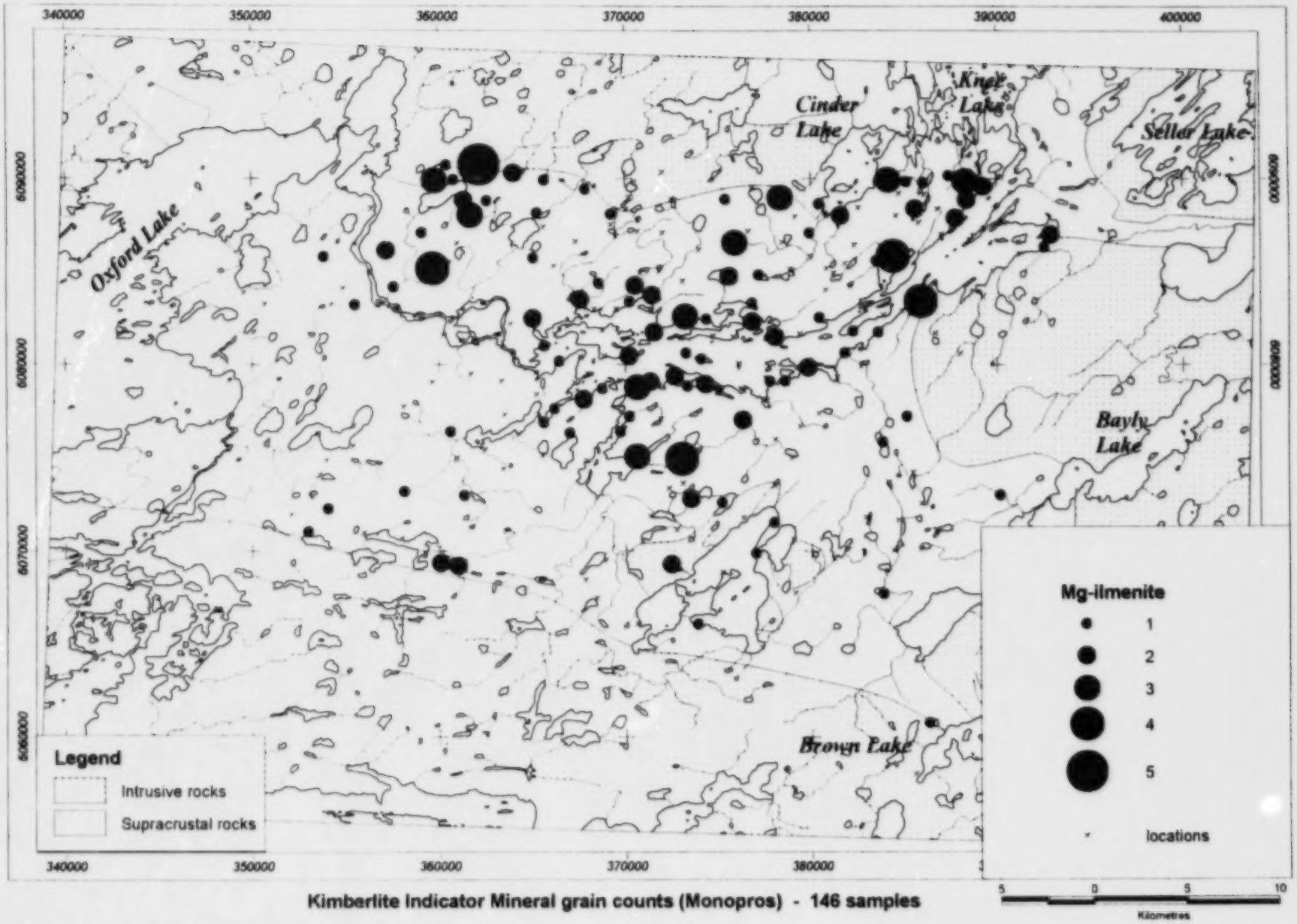
Kimberlite Indicator Mineral grain counts (Monopros) - 146 samples

Figure 11: Regional distribution of "G9" garnet grains.



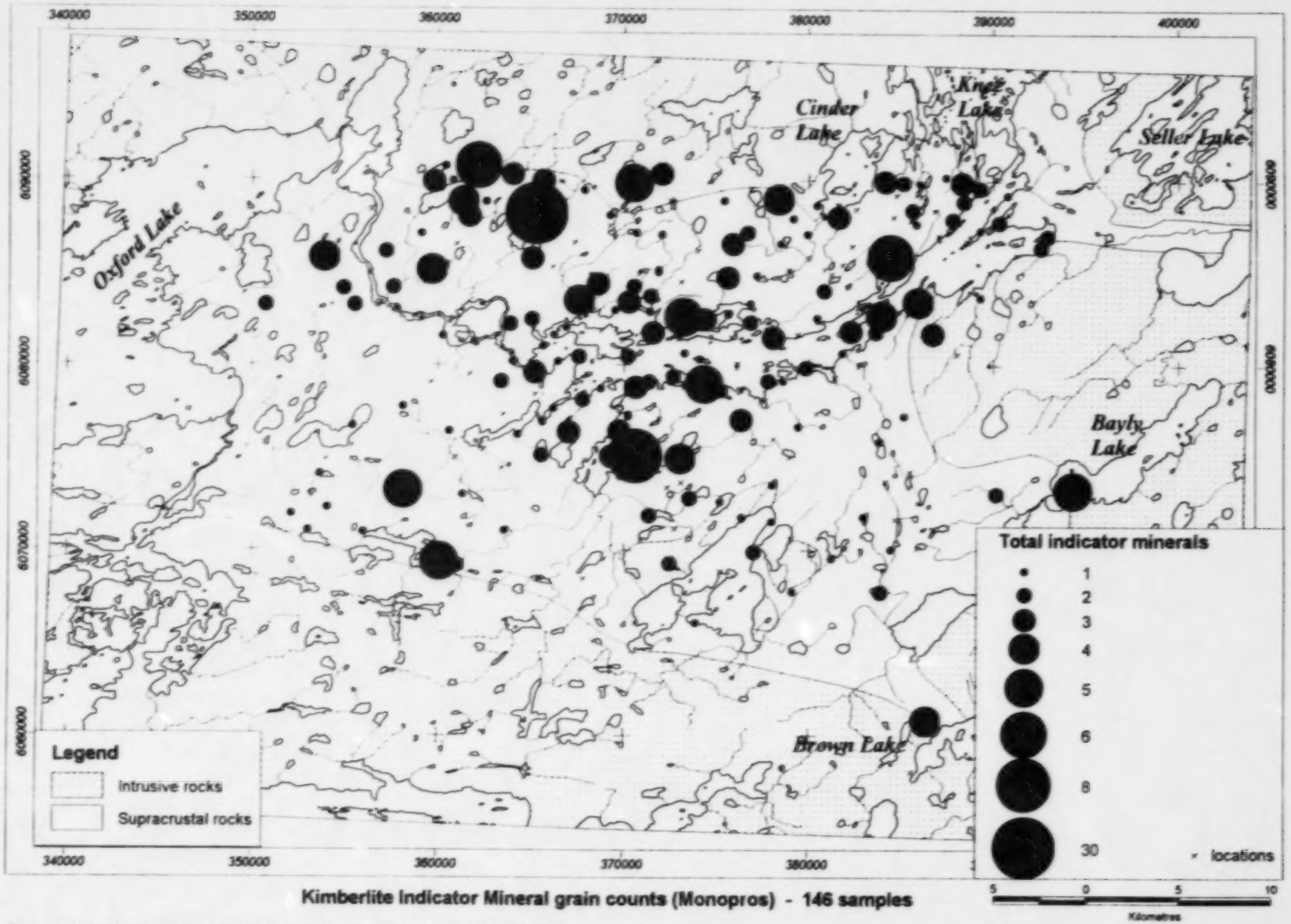
Kimberlite Indicator Mineral grain counts (Monopros) - 146 samples

Figure 12: Regional distribution of "G10" garnet grains.



Kimberlite Indicator Mineral grain counts (Monopros) - 146 samples

Figure 13: Regional distribution of magnesian ilmenite grains.



Kimberlite Indicator Mineral grain counts (Monopros) - 146 samples

Figure 14: Regional distribution of total kimberlite indicator mineral (KIM) grains.

Mineral Chemistry (Monopros Limited) and Classifications (1.0 mm).

Sample Site	UTM		MnO	Na_2O	Al_2O_3	FeO	SiO_2	TiO_2	CaO	Cr_2O_3	MgO	TOTAL	Classification
	Easting	Northing	%	%	%	%	%	%	%	%	%		
99T-10	380814.98	6083990.92	0.28	0.05	19.82	7.16	39.84	0.38	5.32	5.75	21.22	99.82	titanian Cr-pyrope (G11)
99T-29	390765.20	6089215.18	0.28	0.12	21.10	9.04	40.06	0.56	4.46	3.22	21.28	100.13	titanian Cr-pyrope (G11)
99T-40	392559.91	6086340.04	0.21	0.00	0.14	33.04	0.00	51.48	0.00	2.00	11.51	98.38	magnesian ilmenite
99T-70	377176.25	6084802.55	0.37	0.00	0.11	34.79	0.00	50.03	0.00	3.28	10.79	99.37	magnesian ilmenite
99T-94	361334.61	6088793.40	0.24	0.00	0.11	33.16	0.00	51.48	0.00	2.49	10.75	98.22	magnesian ilmenite
99T-126	359632.73	6085112.70	0.21	0.05	0.21	30.49	0.00	53.13	0.00	2.60	13.14	99.83	magnesian ilmenite
99T-126	359632.73	6085112.70	0.31	0.05	0.00	32.88	0.00	50.96	0.00	3.08	12.48	99.77	magnesian ilmenite
99T-146	388300.25	6089844.48	0.00	0.15	0.38	91.14	0.00	0.00	0.00	0.01	0.01	91.69	magnetite
99T-201	371334.99	6079065.23	0.36	0.00	0.02	33.15	0.00	52.72	0.00	2.25	11.12	99.62	magnesian ilmenite
99T-223	355505.67	6083205.01	0.37	0.11	0.00	35.61	0.00	49.33	0.00	3.87	10.82	100.10	magnesian ilmenite
99T-245	373013.86	6074903.92	0.24	0.00	0.15	30.71	0.00	52.55	0.00	2.67	13.26	99.58	magnesian ilmenite
99T-292	372658.22	6079359.51	0.25	0.11	0.00	33.13	0.00	50.63	0.00	3.26	11.68	99.06	magnesian ilmenite
99T-292	372658.22	6079359.51	0.28	0.04	0.00	32.91	0.00	50.80	0.00	2.86	11.59	98.47	magnesian ilmenite
99T-293	373332.21	6078856.12	0.26	0.02	0.00	34.31	0.00	50.20	0.00	3.52	10.69	99.00	magnesian ilmenite

Mineral Chemistry (Monopros Limited) and Classifications (0.5 mm).

Sample Site	UTM		MnO	Na2O	Al2O3	FeO	SiO2	TiO2	CaO	Cr2O3	MgO	TOTAL	Classification
	Easting	Northing	%	%	%	%	%	%	%	%	%		
99T-5	386340.97	6060776.00	0.14	0.33	0.00	91.57	0.00	0.09	0.00	3.65	0.00	95.78	magnetite
99T-12	384139.45	6089907.45	0.18	0.25	0.07	33.99	0.00	51.32	0.00	2.56	10.83	99.20	magnesian ilmenite
99T-12	384139.45	6089907.45	0.36	0.15	0.00	34.24	0.00	49.55	0.00	4.47	10.86	99.63	magnesian ilmenite
99T-18	384402.98	6085799.86	0.20	0.21	21.80	9.07	42.45	0.46	3.70	1.64	20.48	100.01	titanian Cr-pyrope (G1)
99T-19	383518.94	6085591.65	0.20	0.07	0.00	31.40	0.00	50.82	0.00	4.75	12.83	100.06	magnesian ilmenite
99T-26	389273.35	6089551.83	0.28	0.13	0.00	37.15	0.00	49.18	0.00	2.96	9.77	99.47	magnesian ilmenite
99T-26	389273.35	6089551.83	0.16	0.09	0.13	33.08	0.00	51.38	0.00	2.42	11.03	98.30	magnesian ilmenite
99T-26	389273.35	6089551.83	0.21	0.28	0.03	93.42	0.00	0.04	0.00	0.01	0.00	93.99	magnetite
99T-31	387776.64	6087871.04	0.15	0.07	0.00	33.74	0.00	51.44	0.00	3.68	11.59	100.67	magnesian ilmenite
99T-31	387776.64	6087871.04	0.34	0.07	0.00	34.40	0.00	50.44	0.00	3.25	11.20	99.71	magnesian ilmenite
99T-39	392898.97	6086971.53	0.17	0.00	0.00	33.91	0.00	50.15	0.00	3.43	11.88	99.55	magnesian ilmenite
99T-43	389804.68	6084999.49	0.05	0.00	0.00	95.32	0.00	0.09	0.00	0.00	0.15	95.62	magnetite
99T-48	383904.64	6082648.05	0.23	0.20	21.10	7.74	40.85	0.18	4.63	3.16	20.89	99.00	non-titanian Cr-pyrope (G9)
99T-48	383904.64	6082648.05	0.26	0.07	22.54	15.11	40.08	0.22	9.67	0.09	11.87	99.91	non-titanian Cr-pyrope (G7)
99T-50	387427.39	6090166.15	0.24	0.26	0.17	31.91	0.00	51.60	0.00	3.41	12.80	100.40	magnesian ilmenite
99T-50	387427.39	6090166.15	0.07	0.02	0.00	94.36	0.00	0.00	0.00	0.00	0.00	94.47	magnetite
99T-53	381611.17	6087984.39	0.53	0.25	21.64	9.84	41.64	0.49	4.26	1.62	19.52	99.80	titanian Cr-pyrope (G1)
99T-53	381611.17	6087984.39	0.23	0.07	0.12	34.15	0.00	50.71	0.00	3.26	10.59	99.14	magnesian ilmenite
99T-53	381611.17	6087984.39	0.34	0.09	0.00	33.96	0.00	50.97	0.00	3.50	11.11	99.96	magnesian ilmenite
99T-53	381611.17	6087984.39	0.00	0.34	0.09	94.65	0.00	0.10	0.00	0.01	0.00	95.18	magnetite
99T-56	384593.57	6087985.36	0.36	0.13	0.13	93.70	0.00	0.35	0.00	0.04	0.11	94.83	magnetite
99T-64	370818.75	6084894.62	0.17	0.13	0.00	94.77	0.00	0.02	0.00	0.11	0.00	95.20	magnetite
99T-67	369512.90	6082951.85	0.28	0.09	20.22	7.57	40.53	0.30	4.91	5.69	21.28	100.87	titanian Cr-pyrope (G11)
99T-71	375594.28	6084702.04	0.24	0.17	0.12	33.27	0.00	51.79	0.00	2.25	11.73	99.57	magnesian ilmenite
99T-71	375594.28	6084702.04	0.17	0.07	0.02	34.03	0.00	51.52	0.00	2.80	10.28	98.90	magnesian ilmenite
99T-73	370656.16	6087109.32	0.18	0.07	21.64	7.97	40.20	0.38	4.88	4.29	20.43	100.05	titanian Cr-pyrope (G11)
99T-75	367566.14	6083452.59	0.21	0.14	0.00	38.57	0.00	48.67	0.00	3.18	9.11	99.87	magnesian ilmenite
99T-75	367566.14	6083452.59	0.29	0.13	0.12	32.64	0.00	50.90	0.00	2.96	11.98	99.03	magnesian ilmenite
99T-75	367566.14	6083452.59	0.07	0.07	0.05	93.25	0.00	0.00	0.00	0.01	0.00	93.46	magnetite
99T-75	367566.14	6083452.59	0.07	0.07	0.18	93.69	0.00	0.21	0.00	0.00	0.01	94.23	magnetite
99T-75	367566.14	6083452.59	0.50	0.09	19.06	28.30	0.00	0.42	0.00	43.30	8.08	99.76	Cr-spinel
99T-80	371536.33	6081711.47	0.34	0.18	21.08	7.66	39.92	0.21	4.79	4.09	20.80	99.08	non-titanian Cr-pyrope (G9)
99T-80	371536.33	6081711.47	0.37	0.27	0.00	33.88	0.00	51.42	0.00	2.51	11.39	99.84	magnesian ilmenite
99T-84	370517.90	6089778.24	0.37	0.21	21.08	7.26	39.63	0.13	5.44	5.66	19.55	99.34	non-titanian Cr-pyrope (G9)
99T-89	359762.87	6089860.45	0.25	0.13	0.00	36.03	0.00	50.41	0.00	2.76	9.55	99.14	magnesian ilmenite
99T-93	360817.18	6089935.46	0.35	0.34	0.29	30.26	0.00	52.53	0.00	3.95	12.54	100.26	magnesian ilmenite
99T-94	361334.61	6088793.40	0.13	0.00	0.48	29.09	0.00	54.43	0.00	1.62	14.62	100.37	magnesian ilmenite
99T-97	361670.11	6088011.47	0.20	0.11	0.00	35.11	0.00	49.10	0.00	3.93	11.03	99.48	magnesian ilmenite
99T-100	365660.55	6089907.35	0.31	0.18	20.63	7.68	40.73	0.43	5.96	3.90	20.75	100.58	titanian Cr-pyrope (G11)
99T-100	365660.55	6089907.35	0.29	0.21	21.16	7.11	40.72	0.44	5.68	4.29	20.71	100.59	titanian Cr-pyrope (G11)
99T-101	364004.46	6090265.61	0.07	0.19	0.02	33.93	0.00	50.55	0.00	3.12	12.49	100.37	magnesian ilmenite
99T-105	369243.39	6088065.28	0.18	0.09	0.07	33.03	0.00	51.90	0.00	3.16	11.53	99.96	magnesian ilmenite
99T-109	368585.13	6084340.09	0.25	0.01	0.00	32.88	0.00	51.54	0.00	2.73	11.53	98.95	magnesian ilmenite
99T-111	371414.93	6082844.68	0.03	0.36	0.00	93.99	0.01	0.09	0.00	0.00	0.18	94.67	magnetite
99T-111	371414.93	6082844.68	0.02	0.15	0.00	93.49	0.00	0.35	0.00	0.01	0.04	94.07	magnetite

Sample Site	UTM		MnO	Na2O	Al2O3	FeO	SiO2	TiO2	CaO	Cr2O3	MgO	TOTAL	Classification
	Easting	Northing	%	%	%	%	%	%	%	%	%		
99T-111	371414.93	6082844.68	0.03	0.26	0.00	94.24	0.00	0.07	0.00	0.00	0.11	94.71	magnetite
99T-111	371414.93	6082844.68	0.02	0.26	0.00	94.44	0.00	0.02	0.00	0.00	0.28	95.03	magnetite
99T-111	371414.93	6082844.68	0.26	0.00	14.92	29.12	0.03	0.21	0.00	50.71	5.79	101.03	Cr-spinel
99T-112	373206.39	6082560.89	0.39	0.09	21.27	8.02	40.44	0.05	4.73	4.32	21.18	100.50	non-titanian Cr-pyrope (G9)
99T-112	373206.39	6082560.89	0.31	0.09	0.05	34.76	0.00	51.41	0.00	2.18	10.99	99.79	magnesian ilmenite
99T-114	375612.85	6082701.79	0.35	0.11	15.46	21.71	0.00	0.13	0.00	52.26	10.53	100.54	Cr-spinel
99T-116	376836.61	6082259.30	0.27	0.09	0.00	31.13	0.00	50.70	0.00	4.42	11.84	98.45	magnesian ilmenite
99T-118	380435.24	6082526.84	0.32	0.16	0.00	40.95	0.00	45.71	0.00	3.07	8.87	99.08	magnesian ilmenite
99T-118	380435.24	6082526.84	0.24	0.15	0.08	94.42	0.00	0.03	0.00	0.10	0.00	95.02	magnetite
99T-118	380435.24	6082526.84	0.04	0.00	0.00	86.37	0.00	7.39	0.00	0.00	0.04	93.85	hematite
99T-123	357174.69	6086097.90	0.26	0.00	0.00	36.77	0.00	49.35	0.00	3.18	9.05	98.60	magnesian ilmenite
99T-123	357174.69	6086097.90	0.10	0.04	0.19	36.70	0.00	50.26	0.00	0.56	9.72	97.55	magnesian ilmenite
99T-124	362147.22	6090729.66	0.46	0.43	0.37	31.55	0.00	53.28	0.00	2.54	11.89	100.51	magnesian ilmenite
99T-126	359632.73	6085112.70	0.30	0.21	0.01	34.05	0.00	51.04	0.00	3.17	11.43	100.20	magnesian ilmenite
99T-126	359632.73	6085112.70	0.30	0.02	0.00	36.59	0.00	48.42	0.00	3.96	9.81	99.10	magnesian ilmenite
99T-127	359088.91	6087067.02	0.27	0.07	0.00	33.70	0.00	51.83	0.00	2.29	10.74	98.90	magnesian ilmenite
99T-134	353845.36	6085793.03	0.12	0.00	0.22	50.46	0.00	43.03	0.00	0.00	5.02	98.85	ilmenite
99T-135	354883.31	6084079.64	0.15	0.01	22.17	16.93	0.00	0.12	0.00	46.70	14.91	100.99	Cr-spinel
99T-139	357564.78	6084160.24	0.26	0.11	0.04	28.49	0.00	51.16	0.00	5.52	14.29	99.87	magnesian ilmenite
99T-140	363864.01	6082169.82	0.42	0.12	18.76	7.15	42.56	0.17	5.59	6.35	19.55	100.65	non-titanian Cr-pyrope (G9)
99T-145	365012.13	6082425.90	0.17	0.19	0.00	33.11	0.31	51.99	0.00	3.37	10.69	99.84	magnesian ilmenite
99T-145	365012.13	6082425.90	0.44	0.00	0.00	36.12	0.00	49.21	0.00	2.23	10.25	98.24	magnesian ilmenite
99T-146	388300.25	6089844.48	0.18	0.05	0.11	33.03	0.00	52.08	0.00	2.35	12.50	100.30	magnesian ilmenite
99T-148	373091.61	6084449.15	0.87	0.18	0.05	93.29	0.00	0.10	0.01	0.00	0.01	94.52	magnetite
99T-149	370525.75	6084197.53	0.28	0.11	0.00	33.75	0.00	51.54	0.00	2.85	11.39	99.92	magnesian ilmenite
99T-149	370525.75	6084197.53	0.40	0.00	0.00	43.68	0.00	45.76	0.00	1.85	8.18	99.86	magnesian ilmenite
99T-150	378340.48	6088920.71	0.18	0.05	0.33	33.39	0.00	51.77	0.00	2.34	12.52	100.60	magnesian ilmenite
99T-154	376668.36	6087121.26	0.71	0.08	16.58	32.42	0.00	0.13	0.00	42.52	6.35	98.79	Cr-spinel
99T-155	375877.60	6086516.58	0.21	0.11	0.00	33.99	0.00	51.25	0.00	2.76	11.73	100.05	magnesian ilmenite
99T-155	375877.60	6086516.58	0.08	0.23	0.04	32.03	0.00	51.88	0.00	3.44	12.12	99.81	magnesian ilmenite
99T-157	372027.71	6087027.04	0.03	0.36	0.00	94.29	0.00	0.04	0.00	0.05	0.00	94.78	magnetite
99T-201	371334.99	6079065.23	0.23	0.09	0.00	36.13	0.00	50.19	0.00	3.51	9.74	99.90	magnesian ilmenite
99T-203	369733.49	6079116.31	0.14	0.20	0.05	95.00	0.00	0.00	0.00	0.08	0.00	95.48	magnetite
99T-204	368745.75	6078704.52	0.22	0.00	0.19	34.51	0.00	51.38	0.00	3.13	10.83	100.27	magnesian ilmenite
99T-204	368745.75	6078704.52	0.00	0.00	0.11	93.68	0.00	0.19	0.00	0.02	0.00	94.00	magnetite
99T-205	367736.72	6078107.25	0.15	0.11	0.07	33.05	0.00	52.47	0.00	2.80	10.95	99.59	magnesian ilmenite
99T-211	368856.57	6080449.74	0.22	0.00	0.00	94.46	0.00	0.01	0.00	0.00	0.00	94.69	magnetite
99T-212	367569.80	6080402.33	0.20	0.13	0.39	29.90	0.00	52.92	0.00	3.41	13.27	100.21	magnetite
99T-213	365183.13	6079542.10	0.37	0.09	0.29	34.69	0.00	50.29	0.00	2.77	10.44	98.94	magnetite
99T-214	360603.87	6076390.98	0.00	0.13	0.00	95.68	0.00	0.03	0.00	0.04	0.04	95.92	magnetite
99T-221	360246.41	6081552.52	0.32	0.17	0.00	32.23	0.00	51.00	0.00	3.73	11.99	99.43	magnetite
99T-223	355505.67	6083205.01	0.22	0.00	14.65	22.18	0.00	0.44	0.00	52.26	11.34	101.09	Cr-spinel
99T-225	350702.40	6083206.61	0.31	0.05	18.87	7.36	41.55	0.08	6.43	6.78	19.37	100.80	non-titanian Cr-pyrope (G9)
99T-225	350702.40	6083206.61	0.34	0.17	20.33	7.50	40.56	0.22	4.90	5.62	20.65	100.30	non-titanian Cr-pyrope (G9)
99T-225	350702.40	6083206.61	0.25	0.11	0.00	33.58	0.00	51.82	0.00	2.84	10.32	98.91	magnetite
99T-227	355381.59	6075600.60	0.08	0.08	0.00	38.13	0.00	48.44	0.00	2.58	9.39	98.68	magnetite
99T-229	353511.14	6076295.59	0.21	0.11	0.00	32.12	0.00	52.20	0.00	2.40	12.63	99.68	magnetite
99T-229	353511.14	6076295.59	1.08	0.08	0.00	48.48	0.00	50.48	0.00	0.00	0.21	100.33	ilmenite

Sample Site	UTM		MnO	Na2O	Al2O3	FeO	SiO2	TiO2	CaO	Cr2O3	MgO	TOTAL	Classification
	Easting	Northing	%	%	%	%	%	%	%	%	%		
99T-230	355405.44	6076684.24	0.21	0.02	0.22	94.88	0.00	0.03	0.00	0.00	0.04	95.41	magnetite
99T-230	355405.44	6076684.24	0.13	0.18	0.00	94.31	0.00	0.15	0.00	0.04	0.08	94.88	magnetite
99T-243	373883.08	6066058.33	0.41	0.11	0.02	33.48	0.00	51.15	0.00	3.42	11.44	100.04	magnesian ilmenite
99T-245	373013.86	6074903.92	0.10	0.11	0.01	34.82	0.00	50.58	0.00	3.23	12.05	100.90	magnesian ilmenite
99T-245	373013.86	6074903.92	0.24	0.04	0.00	35.59	0.00	49.94	0.00	3.16	10.37	99.33	magnesian ilmenite
99T-245	373013.86	6074903.92	0.29	0.11	0.01	35.02	0.00	50.70	0.00	2.16	10.78	99.07	magnesian ilmenite
99T-245	373013.86	6074903.92	0.04	0.18	0.00	94.16	0.00	0.06	0.00	0.03	0.08	94.55	magnetite
99T-248	363998.87	6080166.06	0.03	3.06	1.84	3.86	54.27	0.31	19.37	1.47	15.10	99.32	Cr-diopside
99T-249	366434.90	6080165.02	0.24	0.13	0.12	31.20	0.00	53.33	0.00	2.39	11.61	99.02	magnesian ilmenite
99T-250	365625.09	6080983.27	0.13	0.05	0.08	27.92	0.00	51.44	0.00	4.86	15.38	99.86	magnesian ilmenite
99T-253	369727.62	6076391.19	0.01	0.28	1.24	91.15	0.00	1.00	0.00	0.02	0.00	93.69	magnetite
99T-257	370578.92	6075052.05	0.29	0.06	0.00	35.88	0.00	48.60	0.00	3.42	9.75	98.00	magnesian ilmenite
99T-257	370578.92	6075052.05	0.47	0.15	0.00	47.82	0.00	50.27	0.00	0.01	1.05	99.77	ilmenite
99T-261	360063.93	6069315.74	0.38	0.00	0.00	35.12	0.00	50.71	0.00	2.47	10.74	99.41	magnesian ilmenite
99T-261	360063.93	6069315.74	0.37	0.00	0.00	33.99	0.00	49.93	0.00	3.37	10.77	98.43	magnesian ilmenite
99T-264	360989.77	6069149.40	0.38	0.00	0.04	29.29	0.00	52.30	0.00	4.29	12.92	99.23	magnesian ilmenite
99T-264	360989.77	6069149.40	0.16	0.24	0.18	31.05	0.00	52.72	0.00	2.80	12.33	99.49	magnesian ilmenite
99T-269	376364.81	6071760.41	0.12	0.07	0.00	93.38	0.00	0.03	0.00	0.02	0.00	93.63	magnetite
99T-271	383858.83	6067703.50	0.29	0.09	0.15	34.05	0.00	50.42	0.00	3.23	11.29	99.53	magnesian ilmenite
99T-276	385148.66	6077248.38	0.44	0.29	0.00	34.57	0.00	51.28	0.00	2.20	10.44	99.22	magnesian ilmenite
99T-279	376310.70	6077007.87	0.15	0.00	0.00	39.26	0.00	47.67	0.00	2.56	9.03	98.68	magnesian ilmenite
99T-281	379124.40	6067728.11	0.12	0.00	16.67	14.42	0.00	0.27	0.00	53.32	15.84	100.63	Cr-spinel
99T-284	383840.14	6075866.88	0.18	0.19	0.18	31.06	0.00	52.74	0.00	2.36	12.84	99.55	magnesian ilmenite
99T-292	372658.22	6079359.51	0.07	0.23	0.08	93.24	0.00	0.03	0.00	0.03	0.01	93.70	magnetite
99T-294	374312.89	6078921.40	0.21	0.00	0.11	34.52	0.00	49.47	0.00	3.48	11.13	98.91	magnesian ilmenite
99T-298	377794.68	6079094.31	0.31	0.20	21.63	7.72	41.55	0.24	4.56	3.82	20.80	100.83	non-titanian Cr-pyrope (G9)
99T-298	377794.68	6079094.31	0.26	0.15	0.00	48.89	0.00	48.17	0.00	0.18	0.39	98.04	ilmenite
99T-298	377794.68	6079094.31	0.08	0.06	0.07	38.52	0.00	50.61	0.00	0.07	9.26	98.68	magnesian ilmenite
99T-300	383601.49	6081754.27	0.30	0.05	16.21	16.27	0.00	0.29	0.00	53.39	13.79	100.30	Cr-spinel
99T-304	379828.87	6079816.74	0.14	0.00	0.06	32.80	0.00	52.42	0.00	2.86	11.63	99.91	magnesian ilmenite
99T-304	379828.87	6079816.74	0.18	0.04	0.00	32.07	0.00	50.46	0.00	4.69	12.53	99.97	magnesian ilmenite
99T-304	379828.87	6079816.74	0.37	0.19	7.42	36.83	0.01	2.13	0.00	50.55	2.05	99.55	ilmenite
99T-305	373257.01	6080611.99	0.21	0.00	0.01	33.89	0.00	51.45	0.00	2.28	12.04	99.88	magnesian ilmenite
99T-306	374075.08	6080290.59	0.18	0.01	0.00	29.33	0.00	52.10	0.00	3.96	14.94	100.54	magnesian ilmenite
99T-306	374075.08	6080290.59	0.01	0.15	0.00	93.20	0.00	0.07	0.01	0.06	0.00	93.51	magnetite
99T-308	378593.33	6079122.68	0.10	0.13	0.09	32.63	0.00	51.16	0.00	3.01	11.62	98.73	magnesian ilmenite
99T-310	378075.60	6081454.42	0.13	0.00	0.05	34.12	0.00	49.57	0.00	3.06	11.30	98.24	magnesian ilmenite
99T-312	374729.14	6081514.74	1.69	0.08	0.00	50.34	0.00	46.07	0.00	0.04	0.51	98.73	ilmenite
99T-320	378032.77	6073502.62	0.00	2.12	0.30	2.20	55.27	0.09	22.27	1.93	15.82	100.00	Cr-diopside
99T-326	367010.80	6076322.95	0.26	0.11	0.00	35.44	0.00	49.30	0.00	3.64	10.02	98.78	magnesian ilmenite
99T-334	353630.41	6074080.73	0.00	2.70	0.71	2.04	54.99	0.20	21.51	2.74	15.88	100.76	Cr-diopside
99T-338	358097.38	6073183.12	0.19	0.11	20.93	9.11	40.52	0.70	4.52	3.39	20.52	99.98	titanian Cr-pyrope (G1)
99T-338	358097.38	6073183.12	0.24	0.04	0.07	33.50	0.00	49.75	0.00	3.38	10.94	97.92	magnesian ilmenite
99T-339	358101.16	6077722.60	0.25	0.18	6.79	25.21	0.00	1.33	0.00	55.07	10.72	99.55	Cr-spinel
99T-341	363366.15	6079087.77	0.31	0.06	19.72	8.17	41.85	0.12	6.57	6.16	18.47	101.44	non-titanian Cr-pyrope (G9)
99T-343	365228.31	6078367.51	0.11	0.13	0.00	93.25	0.00	0.11	0.00	0.00	0.00	93.60	magnetite
99T-343	365228.31	6078367.51	0.00	0.00	0.00	94.75	0.00	0.05	0.01	0.12	0.00	94.92	magnetite

Sample Site	UTM		MnO	Na2O	Al2O3	FeO	SiO2	TiO2	CaO	Cr2O3	MgO	TOTAL	Classification
	Easting	Northing	%	%	%	%	%	%	%	%	%		
99T-347	390123.06	6073013.81	0.58	0.10	22.03	8.05	41.46	0.03	5.03	3.25	20.30	100.84	non-titanian Cr-pyrope (G9)
99T-347	390123.06	6073013.81	0.24	0.11	0.00	32.14	0.00	49.94	0.00	4.63	13.16	100.22	magnesian ilmenite

Mineral Chemistry (Monopros Limited) and Classifications (0.3 mm).

Sample Site	UTM		MnO	Na_2O	Al_2O_3	FeO	SiO_2	TiO_2	CaO	Cr_2O_3	MgO	TOTAL	Classification
	Easting	Northing	%	%	%	%	%	%	%	%	%		
99T-2	379928.11	6087059.58	1.44	0.04	0.00	48.85	0.00	48.84	0.00	0.00	0.00	99.17	ilmenite
99T-2	379928.11	6087059.58	0.24	0.10	0.06	42.64	0.00	46.34	0.00	2.99	7.39	99.77	magnesian ilmenite
99T-5	386340.97	6060776.00	1.09	0.00	6.41	32.86	0.00	0.10	0.00	56.63	2.77	99.85	ilmenite
99T-5	386340.97	6060776.00	0.22	0.21	0.09	37.37	0.00	51.02	0.00	0.03	10.74	99.67	magnesian ilmenite
99T-5	386340.97	6060776.00	0.33	0.02	18.21	36.11	0.00	0.32	0.00	35.69	7.33	98.01	Cr-spinel
99T-5	386340.97	6060776.00	0.58	0.00	2.29	49.92	0.00	0.39	0.00	42.64	2.22	98.03	Cr-spinel
99T-5	386340.97	6060776.00	0.14	0.09	44.82	15.30	0.00	0.07	0.00	22.37	18.39	101.16	Cr-spinel
99T-8	381843.70	6085393.08	0.28	0.00	0.00	93.29	0.00	0.04	0.00	0.00	0.00	93.62	magnetite
99T-10	380814.98	6083990.92	0.16	0.00	23.13	18.40	0.00	0.08	0.00	45.62	13.66	101.05	Cr-spinel
99T-12	384139.45	6089907.45	0.31	0.05	0.00	32.17	0.00	49.86	0.00	5.14	13.44	100.97	magnesian ilmenite
99T-13	385120.09	6089836.36	0.38	0.13	21.19	7.61	40.98	0.25	4.59	4.05	20.73	99.92	non-titanian Cr-pyrope (G9)
99T-13	385120.09	6089836.36	0.15	0.13	0.00	32.28	0.00	50.98	0.00	4.05	11.47	99.06	magnesian ilmenite
99T-14	386060.67	6089790.62	0.07	0.13	0.15	31.46	0.00	53.00	0.00	2.55	12.43	99.80	magnesian ilmenite
99T-15	385609.68	6088356.80	0.33	0.08	0.00	35.07	0.00	49.39	0.00	2.93	10.06	97.86	magnesian ilmenite
99T-15	385609.68	6088356.80	0.28	0.02	0.12	32.32	0.00	52.66	0.00	2.69	11.19	99.27	magnesian ilmenite
99T-18	384402.98	6085799.86	0.30	0.10	18.83	8.08	41.49	0.34	5.01	6.53	20.44	101.12	non-titanian Cr-pyrope (G10)
99T-18	384402.98	6085799.86	0.44	0.06	22.20	23.10	39.24	0.16	6.63	0.15	9.06	101.04	eclogitic garnet
99T-18	384402.98	6085799.86	1.43	0.11	6.57	34.62	0.00	0.18	0.00	56.19	1.33	100.42	ilmenite
99T-18	384402.98	6085799.86	0.23	0.04	0.00	41.91	0.00	45.65	0.00	3.08	7.80	98.70	magnesian ilmenite
99T-18	384402.98	6085799.86	0.24	0.23	0.01	32.68	0.00	52.32	0.00	2.33	11.29	99.09	magnesian ilmenite
99T-18	384402.98	6085799.86	0.18	0.28	0.25	40.39	0.00	50.56	0.00	0.23	8.22	100.11	magnesian ilmenite
99T-18	384402.98	6085799.86	0.41	0.15	0.00	36.62	0.00	50.15	0.00	0.43	11.17	98.94	magnesian ilmenite
99T-19	383518.94	6085591.65	0.07	0.01	14.46	15.93	0.00	0.33	0.00	56.02	13.63	100.5	Cr-spinel
99T-27	388381.58	6088845.50	0.26	0.09	0.00	33.02	0.00	50.81	0.00	3.35	12.32	99.86	magnesian ilmenite
99T-27	388381.58	6088845.50	0.49	0.20	0.11	39.39	0.00	49.51	0.01	0.39	9.09	99.19	magnesian ilmenite
99T-32	389281.25	6087309.72	0.27	0.10	21.78	16.55	0.00	0.19	0.00	47.85	14.41	101.14	Cr-spinel
99T-33	387035.08	6086978.20	0.59	0.19	22.04	13.77	39.61	0.67	4.71	0.08	17.04	98.70	eclogitic garnet
99T-36	390299.61	6087715.51	0.14	0.02	8.04	22.26	0.01	2.20	0.00	51.70	15.84	100.20	Cr-spinel
99T-36	390299.61	6087715.51	0.13	0.09	8.80	24.73	0.00	3.67	0.00	47.30	15.47	100.20	Cr-spinel
99T-39	392898.97	6086971.53	0.28	0.05	0.00	31.31	0.00	50.92	0.00	3.81	12.71	99.08	magnesian ilmenite
99T-40	392559.91	6086340.04	0.42	0.11	6.06	45.71	0.00	0.61	0.00	42.82	3.82	99.55	Cr-spinel
99T-44	389261.00	6083667.72	0.13	0.25	0.00	47.16	0.00	50.94	0.00	0.01	0.64	99.13	ilmenite
99T-44	389261.00	6083667.72	0.05	0.18	10.46	34.21	0.00	5.87	0.00	38.19	10.78	99.73	Cr-spinel
99T-46	385883.41	6083393.71	0.15	0.04	0.91	30.79	0.00	53.91	0.00	0.82	13.72	100.32	magnesian ilmenite
99T-46	385883.41	6083393.71	0.37	0.33	15.92	25.42	0.00	1.00	0.00	49.56	7.21	99.80	magnesian ilmenite
99T-46	385883.41	6083393.71	1.24	0.13	0.00	50.47	0.00	48.15	0.00	0.00	0.07	100.05	ilmenite
99T-46	385883.41	6083393.71	0.20	0.00	0.25	30.53	0.00	51.92	0.00	2.62	12.68	98.19	magnesian ilmenite
99T-46	385883.41	6083393.71	0.21	0.00	7.84	26.94	0.00	3.00	0.00	48.43	13.69	100.12	magnesian ilmenite
99T-48	383904.64	6082648.05	0.24	0.12	21.30	8.04	40.50	0.15	5.16	3.34	19.87	98.73	non-titanian Cr-pyrope (G9)
99T-48	383904.64	6082648.05	0.32	0.13	19.36	6.74	40.84	0.39	4.71	5.45	20.87	98.82	non-titanian Cr-pyrope (G10)
99T-48	383904.64	6082648.05	2.39	0.02	0.00	46.67	0.00	51.97	0.00	0.00	0.21	101.26	ilmenite
99T-51	385816.88	6087616.81	0.35	0.05	20.03	7.31	41.37	0.10	4.73	5.05	20.23	99.22	non-titanian Cr-pyrope (G10)
99T-51	385816.88	6087616.81	1.87	0.04	0.00	50.10	0.00	46.88	0.00	0.00	0.18	99.07	ilmenite
99T-52	382575.20	6088407.01	2.23	0.00	0.00	47.74	0.00	49.08	0.00	0.00	0.44	99.49	ilmenite
99T-54	380446.70	6088630.40	0.23	0.15	0.00	34.20	0.00	51.29	0.00	2.97	11.06	99.91	magnesian ilmenite

Sample Site	UTM		MnO	Na_2O	Al_2O_3	FeO	SiO_2	TiO_2	CaO	Cr_2O_3	MgO	TOTAL	Classification
	Easting	Northing	%	%	%	%	%	%	%	%	%		
99T-57	380747.02	6088073.86	0.43	0.00	0.11	74.30	0.00	16.43	0.09	0.00	0.00	91.36	Fe-Ti oxide
99T-63	371851.38	6084985.15	0.34	0.05	20.76	7.72	41.21	0.07	4.69	4.55	20.56	99.94	non-titanian Cr-pyrope (G9)
99T-65	371421.23	6083690.52	0.12	0.13	0.00	25.61	0.00	54.23	0.01	4.51	15.84	100.45	magnesian ilmenite
99T-65	371421.23	6083690.52	0.24	0.06	0.04	35.16	0.00	50.17	0.00	3.86	9.81	99.34	magnesian ilmenite
99T-65	371421.23	6083690.52	0.43	0.21	0.00	46.31	0.00	52.40	0.00	0.02	1.59	100.96	ilmenite
99T-66	370239.75	6083375.40	0.31	0.13	19.00	6.60	39.08	0.17	5.76	7.48	21.38	99.91	non-titanian Cr-pyrope (G9)
99T-66	370239.75	6083375.40	0.48	0.16	20.48	8.65	42.12	0.03	5.27	4.63	18.36	100.18	non-titanian Cr-pyrope (G9)
99T-66	370239.75	6083375.40	0.40	0.07	0.00	31.87	0.00	51.22	0.00	3.81	11.34	98.71	magnesian ilmenite
99T-68	378482.32	6086547.36	0.21	0.00	15.78	30.92	0.00	0.48	0.00	46.51	6.59	100.50	Cr-spinel
99T-71	375594.28	6084702.04	0.43	0.13	18.13	7.40	40.84	0.19	5.25	8.06	20.88	101.31	non-titanian Cr-pyrope (G10)
99T-71	375594.28	6084702.04	0.38	0.10	22.73	18.23	39.39	0.13	8.42	0.04	11.21	100.61	garnet
99T-75	367566.14	6083452.59	0.16	0.00	35.34	14.65	0.00	0.29	0.00	32.05	18.49	100.98	Cr-spinel
99T-76	366875.73	6082011.38	0.29	0.00	14.35	23.70	0.00	0.46	0.00	52.08	9.53	100.41	Cr-spinel
99T-77	366237.10	6081599.59	0.22	0.15	8.41	29.67	0.06	4.51	0.00	42.76	13.93	99.72	Cr-spinel
99T-77	366237.10	6081599.59	0.02	0.47	0.00	93.00	0.00	0.01	0.00	0.05	0.00	93.55	magnetite
99T-80	371536.33	6081711.47	0.23	0.07	0.06	32.69	0.00	51.88	0.01	2.82	12.11	99.87	magnesian ilmenite
99T-83	372026.99	6090288.56	23.73	0.30	20.92	17.97	35.84	0.10	0.23	0.05	0.65	99.80	spessartite
99T-83	372026.99	6090288.56	0.15	0.12	20.08	7.15	41.72	0.40	4.69	5.96	20.76	101.03	non-titanian Cr-pyrope (G10)
99T-83	372026.99	6090288.56	0.07	0.02	13.28	23.88	0.04	1.90	0.00	45.84	14.92	99.95	Cr-spinel
99T-83	372026.99	6090288.56	0.25	0.02	8.10	33.43	0.00	4.26	0.00	40.89	10.29	97.23	Cr-spinel
99T-84	370517.90	6089778.24	0.41	0.11	4.81	28.28	0.05	0.24	0.12	63.91	2.75	100.68	Cr-spinel
99T-84	370517.90	6089778.24	0.21	0.03	16.51	14.43	0.00	0.27	0.00	54.05	14.70	100.20	Cr-spinel
99T-84	370517.90	6089778.24	0.34	0.04	8.52	29.49	0.00	0.16	0.00	52.97	7.25	98.77	Cr-spinel
99T-84	370517.90	6089778.24	0.42	0.18	12.60	26.40	0.00	0.25	0.00	53.32	7.10	100.26	Cr-spinel
99T-85	370224.45	6088963.94	0.18	0.02	0.60	47.24	0.00	44.02	0.00	0.02	5.82	97.89	ilmenite
99T-89	359762.87	6089860.45	0.12	0.04	0.11	33.16	0.00	53.15	0.00	2.41	10.72	99.70	magnesian ilmenite
99T-89	359762.87	6089860.45	0.07	0.09	0.06	31.07	0.00	50.30	0.00	4.85	12.75	99.20	magnesian ilmenite
99T-90	360419.16	6090713.89	0.13	0.02	0.01	40.65	0.00	48.31	0.00	0.89	7.87	97.88	magnesian ilmenite
99T-91	367854.62	6089411.77	2.00	0.19	21.59	27.79	38.01	0.15	6.99	0.09	3.88	100.68	garnet
99T-91	367854.62	6089411.77	0.11	0.07	0.07	31.77	0.00	52.75	0.00	3.33	11.96	100.07	magnesian ilmenite
99T-94	361334.61	6088793.40	0.66	0.08	20.71	9.91	40.33	0.01	6.51	4.00	16.94	99.16	non-titanian Cr-pyrope (G7)
99T-94	361334.61	6088793.40	0.21	0.16	6.91	28.05	0.00	3.84	0.00	45.56	14.30	99.03	Cr-spinel
99T-97	361670.11	6088011.47	0.00	0.15	0.00	90.13	0.01	0.03	0.00	0.08	0.00	90.40	magnetite
99T-97	361670.11	6088011.47	0.20	0.02	0.15	28.86	0.00	51.83	0.00	4.91	13.46	99.43	magnesian ilmenite
99T-97	361670.11	6088011.47	0.18	0.14	0.00	42.20	0.00	48.22	0.00	0.58	7.22	98.56	magnesian ilmenite
99T-100	365660.55	6089907.35	0.26	0.00	0.01	33.65	0.00	51.86	0.00	3.48	11.25	100.51	magnesian ilmenite
99T-101	364004.46	6090265.61	0.38	0.02	0.00	41.16	0.00	47.67	0.00	2.53	7.73	99.48	magnesian ilmenite
99T-101	364004.46	6090265.61	0.35	0.20	7.82	38.58	0.00	5.67	0.00	31.90	12.05	96.57	Cr-spinel
99T-102	365042.73	6085719.91	0.23	0.13	0.06	30.63	0.00	52.75	0.00	2.46	14.05	100.31	magnesian ilmenite
99T-102	365042.73	6085719.91	0.31	0.08	6.66	19.63	0.75	0.41	0.00	59.87	12.02	99.72	Cr-spinel
99T-102	365042.73	6085719.91	0.30	0.21	15.31	26.51	0.00	0.58	0.00	45.66	11.07	99.63	Cr-spinel
99T-104	365252.32	6088140.42	0.12	0.00	0.07	30.56	0.00	52.96	0.00	3.33	12.58	99.62	magnesian ilmenite
99T-104	365252.32	6088140.42	1.39	0.49	9.14	34.65	0.00	0.85	0.00	51.56	0.42	98.50	Cr-spinel
99T-104	365252.32	6088140.42	0.18	0.30	9.40	33.49	0.00	4.83	0.00	40.73	10.63	99.56	Cr-spinel
99T-104	365252.32	6088140.42	1.32	0.48	7.77	34.78	0.00	0.63	0.00	52.78	0.15	97.91	Cr-spinel
99T-104	365252.32	6088140.42	1.41	0.35	7.55	34.69	0.07	0.85	0.07	52.83	0.23	98.05	Cr-spinel
99T-104	365252.32	6088140.42	1.48	0.63	7.83	35.43	0.00	0.60	0.00	53.80	0.39	100.17	Cr-spinel
99T-104	365252.32	6088140.42	1.38	0.43	7.41	35.20	0.00	0.64	0.00	53.79	0.33	99.17	Cr-spinel

Sample Site	UTM		MnO	Na_2O	Al_2O_3	FeO	SiO_2	TiO_2	CaO	Cr_2O_3	MgO	TOTAL	Classification
	Easting	Northing	%	%	%	%	%	%	%	%	%		
99T-104	365252.32	6088140.42	1.32	0.41	8.45	35.41	0.00	0.74	0.00	53.54	0.39	100.26	Cr-spinel
99T-104	365252.32	6088140.42	1.47	0.22	7.63	34.97	0.00	0.56	0.00	55.18	0.18	100.22	Cr-spinel
99T-104	365252.32	6088140.42	1.36	0.37	7.91	35.19	0.00	0.63	0.00	52.88	0.80	99.15	Cr-spinel
99T-104	365252.32	6088140.42	1.56	0.11	8.31	35.12	0.00	0.67	0.00	53.63	0.30	99.69	Cr-spinel
99T-104	365252.32	6088140.42	1.50	0.54	7.87	35.50	0.03	0.63	0.00	53.46	0.36	99.89	Cr-spinel
99T-104	365252.32	6088140.42	1.32	0.19	9.25	35.59	0.00	0.76	0.00	52.58	0.21	99.90	Cr-spinel
99T-104	365252.32	6088140.42	1.76	0.54	7.93	34.59	0.00	0.73	0.00	54.38	0.18	100.11	Cr-spinel
99T-104	365252.32	6088140.42	1.37	0.51	8.10	35.76	0.00	0.65	0.00	53.96	0.53	100.89	Cr-spinel
99T-104	365252.32	6088140.42	1.49	0.32	8.22	34.72	0.00	0.61	0.00	53.31	0.09	98.76	Cr-spinel
99T-104	365252.32	6088140.42	1.67	0.56	7.18	34.01	0.00	0.58	0.00	54.61	0.21	98.82	Cr-spinel
99T-104	365252.32	6088140.42	1.43	0.24	8.11	34.43	0.05	0.80	0.12	52.16	0.40	97.74	Cr-spinel
99T-104	365252.32	6088140.42	1.69	0.33	7.77	34.64	0.01	0.89	0.09	52.65	0.25	98.32	Cr-spinel
99T-104	365252.32	6088140.42	1.68	0.30	6.86	34.20	0.14	0.71	0.09	53.89	0.43	98.31	Cr-spinel
99T-104	365252.32	6088140.42	1.61	0.60	8.15	34.74	0.00	0.62	0.00	52.41	0.42	98.55	Cr-spinel
99T-104	365252.32	6088140.42	0.09	0.14	17.29	15.36	0.00	0.33	0.00	53.12	14.68	101.00	Cr-spinel
99T-104	365252.32	6088140.42	1.73	0.39	7.97	35.38	0.00	0.68	0.00	52.45	0.36	98.95	Cr-spinel
99T-104	365252.32	6088140.42	1.52	0.06	7.58	35.75	0.00	0.66	0.00	52.58	0.18	98.33	Cr-spinel
99T-104	365252.32	6088140.42	1.78	0.37	8.82	34.81	0.07	0.59	0.10	51.13	0.25	97.90	Cr-spinel
99T-104	365252.32	6088140.42	1.63	0.17	7.88	34.28	0.01	0.63	0.10	52.74	0.49	97.94	Cr-spinel
99T-104	365252.32	6088140.42	1.58	0.17	8.31	35.61	0.00	0.55	0.00	51.54	0.18	97.94	Cr-spinel
99T-104	365252.32	6088140.42	1.51	0.43	7.26	34.21	0.00	0.65	0.00	53.83	0.51	98.40	Cr-spinel
99T-104	365252.32	6088140.42	1.47	0.61	7.82	34.45	0.12	0.69	0.08	52.35	0.66	98.25	Cr-spinel
99T-104	365252.32	6088140.42	1.50	0.32	7.89	35.48	0.00	0.68	0.00	53.70	0.21	99.78	Cr-spinel
99T-109	368585.13	6084340.09	0.15	0.04	8.05	23.67	0.00	3.04	0.00	51.22	11.67	97.84	Cr-spinel
99T-109	368585.13	6084340.09	0.15	0.00	14.86	24.08	0.00	0.58	0.00	51.09	10.22	100.97	Cr-spinel
99T-112	373206.39	6082560.89	0.39	0.09	0.00	35.46	0.00	48.84	0.00	3.74	10.74	99.26	magnesian ilmenite
99T-112	373206.39	6082560.89	0.21	0.09	0.00	32.47	0.00	52.64	0.00	2.70	12.43	100.55	magnesian ilmenite
99T-112	373206.39	6082560.89	0.20	0.08	9.73	30.33	0.00	4.92	0.00	42.70	11.41	99.35	Cr-spinel
99T-113	374372.83	6082434.83	0.31	0.17	0.00	34.68	0.00	49.71	0.00	3.57	10.14	98.57	magnesian ilmenite
99T-113	374372.83	6082434.83	0.13	0.05	13.20	23.74	0.00	2.42	0.00	48.44	12.81	100.80	Cr-spinel
99T-113	374372.83	6082434.83	0.30	0.21	17.83	17.11	0.00	0.21	0.00	50.58	13.81	100.04	Cr-spinel
99T-115	376837.58	6083283.99	0.34	0.34	0.00	33.51	0.00	51.62	0.00	2.26	11.72	99.81	magnesian ilmenite
99T-116	376836.61	6082259.30	0.22	0.09	0.25	30.44	0.00	52.81	0.00	2.81	13.07	99.69	magnesian ilmenite
99T-124	362147.22	6090729.66	0.14	0.26	0.15	30.24	0.00	52.50	0.00	2.54	12.58	98.41	magnesian ilmenite
99T-124	362147.22	6090729.66	0.13	0.20	0.13	31.78	0.00	52.31	0.00	3.31	12.73	100.61	magnesian ilmenite
99T-124	362147.22	6090729.66	0.37	0.05	1.42	24.78	35.38	3.28	32.66	0.10	0.32	98.37	Fe-Ti oxide
99T-124	362147.22	6090729.66	0.07	0.03	0.26	30.31	0.00	52.86	0.00	2.60	13.79	99.93	magnesian ilmenite
99T-124	362147.22	6090729.66	0.19	0.15	0.21	32.00	0.00	52.09	0.00	2.64	12.27	99.56	magnesian ilmenite
99T-124	362147.22	6090729.66	1.29	0.36	2.31	65.34	0.00	0.47	0.00	27.34	0.00	97.10	Cr-spinel
99T-125	362574.30	6088793.60	0.17	0.00	0.02	30.76	0.00	53.29	0.00	2.67	11.75	98.66	magnesian ilmenite
99T-134	353845.36	6085793.03	0.25	0.16	19.51	7.83	39.87	0.49	5.11	5.61	21.01	99.83	titanian Cr-pyrope (G11)
99T-134	353845.36	6085793.03	0.23	0.00	12.32	45.43	0.00	0.59	0.00	35.36	5.54	99.47	Cr-spinel
99T-134	353845.36	6085793.03	0.24	0.00	0.12	30.70	0.00	53.86	0.00	2.69	12.28	99.89	magnesian ilmenite
99T-134	353845.36	6085793.03	0.21	0.00	11.01	23.45	0.08	2.84	0.00	49.82	13.26	100.67	Cr-spinel
99T-135	354883.31	6084079.64	0.22	0.02	12.02	25.17	0.00	1.63	0.00	51.15	10.20	100.41	Cr-spinel
99T-139	357564.78	6084160.24	0.44	0.17	21.12	7.48	39.35	0.13	5.94	5.62	20.26	100.51	non-titanian Cr-pyrope (G9)
99T-140	363864.01	6082169.82	0.27	0.19	15.00	25.12	0.00	1.61	0.00	44.49	12.49	99.17	Cr-spinel
99T-146	388300.25	6089844.48	0.22	0.06	0.06	37.03	0.00	50.20	0.00	1.34	9.91	98.81	magnesian ilmenite

Sample Site	UTM		MnO	Na_2O	Al_2O_3	FeO	SiO_2	TiO_2	CaO	Cr_2O_3	MgO	TOTAL	Classification
	Easting	Northing	%	%	%	%	%	%	%	%	%		
99T-146	388300.25	6089844.48	0.13	0.16	0.16	30.03	0.00	53.72	0.00	1.61	14.39	100.20	magnesian ilmenite
99T-150	378340.48	6088920.71	0.30	0.28	16.92	7.56	40.62	0.22	5.76	8.65	20.43	100.75	non-titanian Cr-pyrope (G10)
99T-150	378340.48	6088920.71	0.37	0.02	0.00	33.15	0.00	49.69	0.00	3.80	11.45	98.47	magnesian ilmenite
99T-150	378340.48	6088920.71	0.22	0.00	0.05	34.05	0.00	50.92	0.00	3.05	11.68	99.97	magnesian ilmenite
99T-151	379171.14	6087918.37	0.46	0.09	20.51	8.11	40.63	0.01	4.10	5.91	21.24	101.06	non-titanian Cr-pyrope (G10)
99T-152	375414.93	6088856.96	0.02	0.00	0.37	39.35	0.00	48.34	0.00	0.64	10.29	99.01	magnesian ilmenite
99T-154	376668.36	6087121.26	0.13	0.15	14.13	21.47	0.00	2.15	0.00	47.52	14.84	100.39	Cr-spinel
99T-155	375877.60	6086516.58	0.09	0.31	2.51	21.14	28.52	12.75	31.46	0.03	1.17	97.99	Fe-Ti oxide
99T-155	375877.60	6086516.58	0.26	0.06	0.00	35.70	0.00	51.12	0.00	2.21	10.54	99.89	magnesian ilmenite
99T-157	372027.71	6087027.04	0.22	0.00	18.89	7.18	40.38	0.24	5.30	6.77	19.96	98.93	non-titanian Cr-pyrope (G9)
99T-202	370612.18	6078749.88	0.31	0.06	0.05	35.11	0.00	49.65	0.00	4.11	10.34	99.65	magnesian ilmenite
99T-202	370612.18	6078749.88	0.39	0.06	0.00	33.80	0.00	50.67	0.00	3.79	10.22	98.93	magnesian ilmenite
99T-202	370612.18	6078749.88	0.37	0.27	0.04	33.26	0.00	50.70	0.00	3.70	11.64	99.97	magnesian ilmenite
99T-203	369733.49	6079116.31	24.25	0.18	21.81	15.23	36.94	0.04	0.37	0.08	2.06	100.95	spessartite
99T-205	367736.72	6078107.25	0.24	0.06	0.01	34.28	0.00	50.04	0.00	3.67	11.06	99.35	magnesian ilmenite
99T-206	366185.42	6077629.58	0.25	0.02	0.05	34.30	0.00	50.19	0.00	3.66	12.08	100.56	magnesian ilmenite
99T-207	370205.14	6080422.95	0.23	0.04	0.04	33.72	0.00	50.86	0.00	3.91	10.82	99.61	magnesian ilmenite
99T-207	370205.14	6080422.95	0.31	0.06	0.00	37.74	0.00	48.49	0.00	3.04	9.62	99.24	magnesian ilmenite
99T-208	365599.84	6076900.47	0.23	0.13	0.12	33.85	0.00	50.95	0.00	3.84	10.96	100.08	magnesian ilmenite
99T-212	367569.80	6080402.33	0.40	0.06	19.25	7.33	40.03	0.19	5.71	8.16	20.30	101.44	non-titanian Cr-pyrope (G9)
99T-212	367569.80	6080402.33	1.03	0.21	5.53	28.53	0.00	0.01	0.00	61.21	3.40	99.93	Cr-spinel
99T-213	365183.13	6079542.10	0.08	0.00	34.23	14.45	0.00	0.39	0.00	31.09	18.23	98.47	Cr-spinel
99T-213	365183.13	6079542.10	0.21	0.00	8.84	28.31	0.00	3.94	0.00	44.33	13.76	99.38	Cr-spinel
99T-213	365183.13	6079542.10	0.19	0.23	8.56	27.36	0.00	6.82	0.00	42.96	14.08	100.20	Cr-spinel
99T-214	360603.87	6076390.98	0.38	0.06	0.16	39.63	0.00	49.75	0.00	0.20	8.86	99.04	magnesian ilmenite
99T-221	360246.41	6081552.52	0.38	0.20	19.06	7.66	40.49	0.43	5.50	7.24	19.80	100.77	titanian Cr-pyrope (G11)
99T-230	355405.44	6076684.24	0.50	0.08	19.06	8.10	40.63	0.32	5.74	7.17	19.13	100.72	titanian Cr-pyrope (G11)
99T-234	352085.67	6071913.45	0.21	0.00	12.62	22.14	0.00	2.16	0.00	48.41	15.07	100.61	Cr-spinel
99T-235	352971.33	6071021.91	0.17	0.16	0.00	37.69	0.00	49.91	0.00	2.60	8.78	99.32	magnesian ilmenite
99T-238	372452.18	6069244.38	0.14	0.23	0.00	33.90	0.00	51.21	0.00	2.93	11.29	99.70	magnesian ilmenite
99T-238	372452.18	6069244.38	0.19	0.05	0.88	26.80	0.00	54.52	0.00	2.33	15.02	99.79	magnesian ilmenite
99T-246	375209.93	6072610.07	0.13	0.00	0.00	34.85	0.00	49.97	0.00	3.48	10.69	99.12	magnesian ilmenite
99T-252	370212.70	6077226.07	0.32	0.00	0.00	39.76	0.00	47.57	0.00	2.68	8.15	98.48	magnesian ilmenite
99T-253	369727.62	6076391.19	0.37	0.37	0.00	36.95	0.00	49.04	0.00	3.54	9.48	99.75	magnesian ilmenite
99T-253	369727.62	6076391.19	0.47	0.27	11.13	34.16	0.00	0.33	0.00	47.73	6.00	100.09	Cr-spinel
99T-253	369727.62	6076391.19	0.33	0.28	9.20	36.98	0.00	4.86	0.00	37.96	10.03	99.63	Cr-spinel
99T-254	369294.01	6075027.52	0.55	0.10	21.48	8.33	41.23	0.02	6.52	4.51	18.69	101.43	non-titanian Cr-pyrope (G7)
99T-254	369294.01	6075027.52	0.27	0.18	18.36	7.82	39.73	0.30	5.64	7.27	19.69	99.25	titanian Cr-pyrope (G11)
99T-254	369294.01	6075027.52	0.37	0.19	21.97	9.60	39.19	0.24	5.59	3.66	19.68	100.49	non-titanian Cr-pyrope (G9)
99T-257	370578.92	6075052.05	0.22	0.19	0.00	33.66	0.00	51.85	0.00	2.80	10.56	99.28	magnesian ilmenite
99T-257	370578.92	6075052.05	0.08	0.00	0.00	36.78	0.00	49.60	0.00	2.65	9.85	98.96	magnesian ilmenite
99T-257	370578.92	6075052.05	0.20	0.00	16.07	26.82	0.00	2.27	0.00	40.61	13.13	99.10	Cr-spinel
99T-257	370578.92	6075052.05	0.17	0.04	9.57	25.28	0.03	4.01	0.00	47.79	13.95	100.83	Cr-spinel
99T-257	370578.92	6075052.05	0.29	0.00	18.38	17.24	0.00	0.27	0.00	49.91	13.65	99.73	Cr-spinel
99T-257	370578.92	6075052.05	0.20	0.02	6.37	25.50	0.00	2.77	0.00	53.62	12.25	100.73	Cr-spinel
99T-257	370578.92	6075052.05	0.34	0.00	17.25	25.47	0.00	0.41	0.00	45.57	11.03	100.07	Cr-spinel
99T-261	360063.93	6069315.74	0.16	0.21	10.15	23.77	0.00	2.67	0.00	49.12	12.58	98.66	Cr-spinel
99T-261	360063.93	6069315.74	0.28	0.01	15.80	17.35	0.00	0.29	0.00	54.67	12.95	101.36	Cr-spinel

Sample Site	UTM		MnO	Na_2O	Al_2O_3	FeO	SiO_2	TiO_2	CaO	Cr_2O_3	MgO	TOTAL	Classification
	Easting	Northing	%	%	%	%	%	%	%	%	%		
99T-261	360063.93	6069315.74	0.14	0.05	22.10	29.27	0.00	0.38	0.00	39.42	8.66	100.02	Cr-spinel
99T-262	355969.59	6070935.17	0.40	0.10	21.40	8.41	40.85	0.05	5.76	4.45	18.77	100.18	non-titanian Cr-pyrope (G9)
99T-265	361329.67	6072980.83	0.21	0.15	0.05	33.90	0.00	50.44	0.00	3.20	11.13	99.08	magnesian ilmenite
99T-266	363559.03	6071022.97	0.34	0.00	9.03	30.79	0.00	4.94	0.00	39.77	14.49	99.38	Cr-spinel
99T-267	377020.28	6069882.33	0.11	0.12	0.00	46.77	0.00	44.52	0.00	0.05	6.46	98.03	magnesian ilmenite
99T-267	377020.28	6069882.33	0.22	0.12	10.47	30.46	0.00	3.50	0.00	43.17	11.41	99.35	Cr-spinel
99T-269	376364.81	6071760.41	0.39	0.11	15.49	18.81	0.00	0.34	0.00	51.66	13.11	99.92	Cr-spinel
99T-271	383858.83	6067703.50	0.19	0.23	17.02	7.05	40.41	0.20	6.71	9.09	18.77	99.67	non-titanian Cr-pyrope (G9)
99T-273	380547.15	6070612.20	0.44	0.08	0.00	50.19	0.00	48.99	0.00	0.00	0.27	99.98	ilmenite
99T-274	382955.22	6071800.72	2.28	0.26	6.97	37.06	0.00	0.23	0.00	51.27	0.18	98.25	Cr-spinel
99T-277	386690.16	6081682.14	0.19	0.11	12.53	15.18	0.00	0.05	0.00	57.93	13.17	99.15	Cr-spinel
99T-277	386690.16	6081682.14	0.08	0.00	20.23	13.32	0.00	0.25	0.00	48.17	16.51	98.55	Cr-spinel
99T-277	386690.16	6081682.14	0.03	0.01	39.25	18.56	0.00	0.55	0.00	25.09	16.14	99.65	Cr-spinel
99T-279	376310.70	6077007.87	0.14	0.10	18.49	7.53	40.10	0.45	4.95	6.41	21.13	99.31	non-titanian Cr-pyrope (G10)
99T-279	376310.70	6077007.87	0.28	0.06	0.00	43.97	0.00	45.76	0.00	2.58	7.43	100.08	magnesian ilmenite
99T-289	384447.42	6070035.32	0.14	0.00	29.18	14.36	0.01	0.57	0.07	36.82	16.53	97.69	Cr-spinel
99T-292	372658.22	6079359.51	0.40	0.20	0.00	45.69	0.00	50.44	0.00	0.08	3.66	100.48	ilmenite
99T-294	374312.89	6078921.40	30.53	0.10	21.39	12.48	35.41	0.19	1.14	0.05	0.00	101.30	garnet
99T-294	374312.89	6078921.40	0.25	0.08	0.26	37.92	0.00	50.66	0.00	1.09	9.78	100.03	magnesian ilmenite
99T-294	374312.89	6078921.40	0.26	0.00	17.79	14.53	0.00	0.20	0.00	53.75	13.96	100.49	Cr-spinel
99T-294	374312.89	6078921.40	0.14	0.29	17.05	13.93	0.00	0.27	0.00	54.73	14.43	100.85	Cr-spinel
99T-294	374312.89	6078921.40	0.42	0.31	5.04	45.74	0.00	0.30	0.00	43.08	3.97	98.86	Cr-spinel
99T-295	375182.62	6078624.03	0.18	0.06	21.49	7.14	40.83	0.33	4.71	3.89	21.76	100.40	titanian Cr-pyrope (G11)
99T-295	375182.62	6078624.03	0.35	0.00	2.62	23.53	0.00	2.25	0.00	59.96	9.72	98.44	Cr-spinel
99T-300	383601.49	6081754.27	0.27	0.18	0.00	38.40	0.00	48.28	0.00	2.80	9.37	99.30	magnesian ilmenite
99T-301	382264.75	6081807.41	0.30	0.22	20.29	7.38	39.86	0.26	5.18	5.49	20.94	99.93	non-titanian Cr-pyrope (G9)
99T-301	382264.75	6081807.41	0.29	0.02	0.09	33.42	0.00	50.46	0.00	3.39	11.49	99.15	magnesian ilmenite
99T-301	382264.75	6081807.41	1.50	0.04	2.59	55.39	0.00	1.58	0.01	37.86	0.16	99.14	Cr-spinel
99T-302	381825.16	6080640.92	0.30	0.00	0.03	34.78	0.00	48.67	0.00	4.46	11.22	99.45	magnesian ilmenite
99T-310	378075.60	6081454.42	0.22	0.08	0.38	43.14	0.00	47.66	0.00	0.03	8.01	99.53	magnesian ilmenite
99T-310	378075.60	6081454.42	0.33	0.16	11.59	26.88	0.00	0.43	0.00	52.87	6.92	99.19	Cr-spinel
99T-315	379424.91	6076667.36	2.02	0.38	10.07	31.41	0.03	0.20	0.00	52.93	2.38	99.42	Cr-spinel
99T-319	377992.28	6071532.08	0.16	0.21	0.06	33.80	0.00	50.58	0.00	3.45	11.09	99.36	magnesian ilmenite
99T-326	367010.80	6076322.95	0.09	0.07	13.63	24.31	0.00	2.11	0.00	45.19	14.51	99.92	Cr-spinel
99T-326	367010.80	6076322.95	0.19	0.00	15.26	24.59	0.00	0.57	0.00	49.37	10.52	100.50	Cr-spinel
99T-327	365544.89	6075097.76	0.42	0.11	18.19	7.26	41.62	0.12	5.34	6.51	20.12	99.69	non-titanian Cr-pyrope (G9)
99T-327	365544.89	6075097.76	0.44	0.13	20.27	7.53	40.87	0.10	5.41	5.93	20.51	101.18	non-titanian Cr-pyrope (G9)
99T-327	365544.89	6075097.76	0.17	0.36	0.11	94.34	0.00	0.08	0.00	0.02	0.00	95.09	magnetite
99T-329	373524.62	6072776.30	1.84	0.14	20.67	9.37	38.26	0.19	28.65	0.04	0.05	99.20	grossularite
99T-329	373524.62	6072776.30	0.34	0.04	0.00	39.31	0.00	47.87	0.00	3.15	9.72	100.43	magnesian ilmenite
99T-329	373524.62	6072776.30	0.30	0.19	0.27	30.38	0.00	51.81	0.00	4.49	12.74	100.18	magnesian ilmenite
99T-332	371343.79	6071847.26	0.36	0.09	19.24	18.77	0.00	0.18	0.00	48.21	12.99	99.82	Cr-spinel
99T-332	371343.79	6071847.26	0.12	0.09	19.19	16.01	0.00	0.28	0.00	50.83	14.29	100.81	Cr-spinel
99T-335	354026.13	6072263.97	0.23	0.05	0.00	26.37	0.00	53.67	0.00	4.11	15.02	99.46	magnesian ilmenite
99T-338	358097.38	6073183.12	0.57	0.06	20.57	9.59	40.10	0.10	6.31	4.07	18.29	99.67	non-titanian Cr-pyrope (G7)
99T-338	358097.38	6073183.12	0.16	0.03	16.80	13.97	0.00	0.25	0.00	55.37	14.42	101.01	Cr-spinel
99T-338	358097.38	6073183.12	0.32	0.00	7.87	35.73	0.00	6.04	0.00	35.84	13.39	99.19	Cr-spinel
99T-341	363366.15	6079087.77	0.42	0.13	21.42	7.47	40.92	0.00	5.05	4.21	21.14	100.76	non-titanian Cr-pyrope (G9)

Sample Site	UTM		MnO	Na_2O	Al_2O_3	FeO	SiO_2	TiO_2	CaO	Cr_2O_3	MgO	TOTAL	Classification
	Easting	Northing	%	%	%	%	%	%	%	%	%		
99T-344	364266.45	6076224.84	0.79	0.08	13.83	33.07	0.00	0.26	0.00	47.66	4.47	100.16	Cr-spinel
99T-349	394290.85	6073197.89	0.31	0.04	22.15	9.42	40.23	0.19	4.68	2.49	20.36	99.88	non-titanian Cr-pyrope (G9)
99T-349	394290.85	6073197.89	0.10	0.07	18.46	27.34	0.00	2.11	0.05	38.33	13.85	100.32	Cr-spinel
99T-349	394290.85	6073197.89	0.16	0.23	14.17	25.06	0.00	2.96	0.00	44.17	12.19	98.93	Cr-spinel
99T-349	394290.85	6073197.89	0.44	0.32	8.36	43.13	0.00	1.49	0.00	41.33	3.32	98.39	Cr-spinel
99T-349	394290.85	6073197.89	0.15	0.11	17.90	19.87	0.00	1.85	0.00	42.58	15.56	98.00	Cr-spinel
99T-350	381237.22	6069551.39	0.18	0.04	9.65	25.63	0.00	5.99	0.00	44.25	13.62	99.36	Cr-spinel

Kimberlite Indicator Mineral Abundances (0.3 mm + 0.5 mm + 1.0 mm)

Sample Site	UTM Easting	Northing	Mg-ilmenite	Cr-spinel	Cr-diopside	G9	G10	Ti-Cr Pyrope	Total Kimberlite Indicator Minerals
99T-2	379928.11	6087059.58	1						1
99T-5	386340.97	6060776.00	1	3					4
99T-10	380814.98	6083990.92		1				1	2
99T-12	384139.45	6089907.45	3						3
99T-13	385120.09	6089836.36	1			1			2
99T-14	386060.67	6089790.62	1						1
99T-15	385609.68	6088356.80	2						2
99T-18	384402.98	6085799.86	4				1	1	6
99T-19	383518.94	6085591.65	1	1					2
99T-26	389273.35	6089551.83	2						2
99T-27	388381.58	6088845.50	2						2
99T-29	390765.20	6089215.18						1	1
99T-31	387776.64	6087871.04	2						2
99T-32	389281.25	6087309.72		1					1
99T-36	390299.61	6087715.51		2					2
99T-39	392898.97	6086971.53	2						2
99T-40	392559.91	6086340.04	1	1					2
99T-44	389261.00	6083667.72		1					1
99T-46	385883.41	6083393.71	4						4
99T-48	383904.64	6082648.05				3	1		4
99T-50	387427.39	6090166.15	1						1
99T-51	385816.88	6087616.81					1		1
99T-53	381611.17	6087984.39	2					1	3
99T-54	380446.70	6088630.40	1						1
99T-63	371851.38	6084985.15				1			1
99T-65	371421.23	6083690.52	2						2
99T-66	370239.75	6083375.40	1			2			3
99T-67	369512.90	6082951.85						1	1
99T-68	378482.32	6086547.36		1					1
99T-70	377176.25	6084802.55	1						1
99T-71	375594.28	6084702.04	2				1		3
99T-73	370656.16	6087109.32						1	1
99T-75	367566.14	6083452.59	2	2					4
99T-76	366875.73	6082011.38		1					1
99T-77	366237.10	6081599.59		1					1
99T-80	371536.33	6081711.47	2			1			3
99T-83	372026.99	6090288.56		2			1		3
99T-84	370517.90	6089778.24		4		1			5
99T-89	359762.87	6089860.45	3						3
99T-90	360419.16	6090713.89	1						1
99T-91	367854.62	6089411.77	1						1
99T-93	360817.18	6089935.46	1						1
99T-94	361334.61	6088793.40	2	1		1			4
99T-97	361670.11	6088011.47	3						3
99T-100	365660.55	6089907.35	1					2	3
99T-101	364004.46	6090265.61	2	1					3
99T-102	365042.73	6085719.91	1	2					3
99T-104	365252.32	6088140.42	1	29					30

Sample Site	UTM Easting	Northing	Mg-Ilmenite	Cr-spinel	Cr-diopside	G9	G10	Ti-Cr Pyrope	Total Kimberlite Indicator Minerals
99T-105	369243.39	6088065.28	1						1
99T-109	368585.13	6084340.09	1	2					3
99T-111	371414.93	6082844.68		1					1
99T-112	373206.39	6082560.89	3	1		1			5
99T-113	374372.83	6082434.83	1	2					3
99T-114	375612.85	6082701.79		1					1
99T-115	376837.58	6083283.99	1						1
99T-116	376836.61	6082259.30	2						2
99T-118	380435.24	6082526.84	1						1
99T-123	357174.69	6086097.90	2						2
99T-124	362147.22	6090729.66	5	1					6
99T-125	362574.30	6088793.60	1						1
99T-126	359632.73	6085112.70	4						4
99T-127	359088.91	6087067.02	1						1
99T-134	353845.36	6085793.03	1	2				1	4
99T-135	354883.31	6084079.64		2					2
99T-139	357564.78	6084160.24	1			1			2
99T-140	363864.01	6082169.82		1		1			2
99T-145	365012.13	6082425.90	2						2
99T-146	388300.25	6089844.48	3						3
99T-149	370525.75	6084197.53	2						2
99T-150	378340.48	6088920.71	3				1		4
99T-151	379171.14	6087918.37					1		1
99T-152	375414.93	6088856.96	1						1
99T-154	376668.36	6087121.26		2					2
99T-155	375877.60	6086516.58	3						3
99T-157	372027.71	6087027.04				1			1
99T-201	371334.99	6079065.23	2						2
99T-202	370612.18	6078749.88	3						3
99T-204	368745.75	6078704.52	1						1
99T-205	367736.72	6078107.25	2						2
99T-206	366185.42	6077629.58	1						1
99T-207	370205.14	6080422.95	2						2
99T-208	365599.84	6076900.47	1						1
99T-212	367569.80	6080402.33		1		1			2
99T-213	365183.13	6079542.10		3					3
99T-214	360603.87	6076390.98	1						1
99T-221	360246.41	6081552.52						1	1
99T-223	355505.67	6083205.01	1	1					2
99T-225	350702.40	6083206.61				2			2
99T-230	355405.44	6076684.24						1	1
99T-234	352085.67	6071913.45		1					1
99T-235	352971.33	6071021.91	1						1
99T-238	372452.18	6069244.38	2						2
99T-243	373883.08	6066058.33	1						1
99T-245	373013.86	6074903.92	4						4
99T-246	375209.93	6072610.07	1						1
99T-248	363998.87	6080166.06			1				1
99T-249	366434.90	6080165.02	1						1
99T-250	365625.09	6080983.27	1						1
99T-252	370212.70	6077226.07	1						1
99T-253	369727.62	6076391.19	1	2					3
99T-254	369294.01	6075027.52				2		1	3
99T-257	370578.92	6075052.05	3	5					8

Sample Site	UTM Easting	Northing	Mg-Ilmenite	Cr-spinel	Cr-diopside	G9	G10	Ti-Cr Pyrope	Total Kimberlite Indicator Minerals
99T-261	360063.93	6069315.74	2	3					5
99T-262	355969.59	6070935.17				1			1
99T-264	360989.77	6069149.40	2						2
99T-265	361329.67	6072980.83	1						1
99T-266	363559.03	6071022.97		1					1
99T-267	377020.28	6069882.33	1	1					2
99T-269	376364.81	6071760.41		1					1
99T-271	383858.83	6067703.50	1			1			2
99T-274	382955.22	6071800.72		1					1
99T-276	385148.66	6077248.38	1						1
99T-277	386690.16	6081682.14		3					3
99T-279	376310.70	6077007.87	2				1		3
99T-281	379124.40	6067728.11		1					1
99T-284	383840.14	6075866.88	1						1
99T-289	384447.42	6070035.32		1					1
99T-292	372658.22	6079359.51	2						2
99T-293	373332.21	6078856.12	1						1
99T-294	374312.89	6078921.40	2	3					5
99T-295	375182.62	6078624.03		1				1	2
99T-298	377794.68	6079094.31	1			1			2
99T-300	383601.49	6081754.27	1	1					2
99T-301	382264.75	6081807.41	1	1		1			3
99T-302	381825.16	6080640.92	1						1
99T-304	379828.87	6079816.74	2						2
99T-305	373257.01	6080611.99	1						1
99T-306	374075.08	6080290.59	1						1
99T-308	378593.33	6079122.68	1						1
99T-310	378075.60	6081454.42	2	1					3
99T-315	379424.91	6076667.36		1					1
99T-319	377992.28	6071532.08	1						1
99T-320	378032.77	6073502.62			1				1
99T-326	367010.80	6076322.95	1	2					3
99T-327	365544.89	6075097.76				2			2
99T-329	373524.62	6072776.30	2						2
99T-332	371343.79	6071847.26		2					2
99T-334	353630.41	6074080.73			1				1
99T-335	354026.13	6072263.97	1						1
99T-338	358097.38	6073183.12	1	2		1		1	5
99T-339	358101.16	6077722.60		1					1
99T-341	363366.15	6079087.77				2			2
99T-344	364266.45	6076224.84		1					1
99T-347	390123.06	6073013.81	1			1			2
99T-349	394290.85	6073197.89		4		1			5
99T-350	381237.22	5069551.39		1					1
Grand Total			160	115	3	30	8	14	330

KIMBERLITE INDICATOR MINERAL SURVEY (OVERBURDEN DRILLING MANAGEMENT LTD.)

Results

The till samples submitted to Overburden Drilling Management Ltd. for mineralogical processing were not rigorously picked for kimberlite indicator minerals since this mineralogical work was already being done by Monopros Ltd. Additionally, microprobe work was not undertaken so only a basic 'first pass' of KIM survey results in the 1999 survey samples is presented as bubble plots in Appendix KO-4. All relevant descriptive data are presented in Appendices KO-1 (Bulk Sample Descriptions), KO-2 (Kimberlite Indicator Minerals) and KO-3 (Descriptive remarks on kimberlite indicator minerals). Appendix KO-5 gives a flow chart describing sample preparation.

Chromite abundances in the 1999 survey area are generally low with one exception at site 104 where an estimated 75 grains were observed in a sample of till. This site was also identified as highly anomalous by the mineralogical work undertaken by Monopros Ltd. Elsewhere, a 6 grain response is documented from site 63 north of the west end of Knee Lake.

Pyrope garnet and chrome diopside grains are sparse in the 1999 data set. The highest numbers of pyrope garnet are documented from sites 129, 134, 139 and 142 along the Hayes River between Oxford Lake and the west end of Knee Lake. Numerous sites with 1 grain characterize the 1999 survey area. A total of 14 sites contain chrome diopside grains; all but site 11 (2 grains) have a single grain.

Total kimberlite indicator mineral abundances reflect the multiple chromite grains identified at site 104 in the northwestern portion of the area. Other multiple grain responses include sites 134 and 139 (6 and 9 grains, respectively) along the Hayes River west of Knee Lake and and an 8 grain response from site 63 just north of the west end of Knee Lake.

Overall the KIM survey results are somewhat disappointing in the low numbers of KIMs identified and the lack of definition of dispersal trains. However, we are confident in the results obtained to date. This is based on the identification of the anomalous abundance of chromite grains at site 104 that was documented not only by this survey but also by the mineralogical work conducted by Monopros Ltd. Clearly, this site is recognized as anomalous in both KIM surveys and should be followed-up on the ground with geological mapping, prospecting and additional mineralogical surveys.

Appendix: KO-A

Table of Abbreviations for KIM, MMSIM and Gold Grains

SEDIMENT LOG

Largest Clasts Present:

G:	Granules
P:	Pebbles
C:	Cobbles
BL:	Boulder fragments
BK:	Bedrock Fragments

Clast Composition:

V/S:	Volcanics and sediments
GR:	Granitics
LS:	Limestone, carbonates
OT:	Other Lithologies (refer to footnotes)
TR:	Only trace present
NA:	Not applicable
OX:	Very oxidized, undifferentiated

Matrix Colour:

B:	Beige	BN:	Brown
GY:	Grey	BK:	Black
GB:	Grey-beige	PP:	Purple
GN:	Green	PK:	Pink
GG:	Grey-green	OC:	Ochre

Matrix Grain Size:

S:	Sorted		
U:	Unsorted		
SD:	Sand	F:	Fine
		M:	Medium
		C:	Coarse
ST:	Silt		
CY:	Clay		
OR:	Organics		
Y:	Fraction present		
+:	Fraction more abundant than normal		
-:	Fraction less abundant than normal		
N:	Fraction not present		
L:	Lumps present		

L:	Light
M:	Medium
D:	Dark
R:	Red

GOLD GRAIN LOG

Number of Grains:

T:	Number found on shaking table
P:	Number found by panning

Thickness:

C:	Calculated thickness of grain (microns)
M:	Actual measured thickness of grain (microns)

Remarks:

%:	Percentage of HMC (estimated from panning of table concentrate)
gr:	Grains (estimated number)
µM:	Microns (1/1000 mm)
py:	Pyrite
cpy:	Chalcopyrite
aspy:	Arsenopyrite
marc:	Marcasite
l/g:	Limonite/goethite
sid:	Siderite

KIM (kimberlite indicator mineral) LOG

GP:	Purple garnet (G9/G10 chrome pyrope).
GO:	Orange mantle garnet: includes both ecolgitic pyrope-almandine (G3) and Cr-poor megacrystic pyrope (G1/G2) varieties; may include unchecked (by SEM) grains of common crustal garnet (G6) lacking diagnostic inclusions or crystal faces.
DC:	Chrome diopside, emerald green; paler green low-Cr diopside picked separately.
IM:	Mg-ilmenite; may include unchecked (by SEM) grains of common crustal ilmenite lacking diagnostic inclusions or crystal faces.
CR:	Chromite
OL:	Olivine
FO:	Forsterite

MMSIM (metamorphosed or magmatic massive sulphide indicator mineral) LOG

Ky:	Kyanite	Cr:	Chromite
Sil:	Sillimanite	Sps:	Spessartine
Rut:	Rutile	Gth:	Goethite
Tm:	Tourmaline	Py:	Pyrite
St:	Staurolite	Cpy:	Chalcopyrite
Ol:	Olivine		
Fay:	Fayalite		
Opx:	Orthopyroxene		

Appendix KO-1

Bulk Sample Descriptions, Clasts and Matrix.

Process Order	Sample Site	Bulk Rec'd weight (kg)	Table Split weight (kg)	+2 mm Clasts	Table Feed	SAMPLE DESCRIPTION: Clasts >2.0 mm SIZE	V/S %	GR %	LS %	Matrix <2.0 mm S/U	SD	ST	CY	Colour Sand	Clay	Organics	Sediment
1	99-M-2	8.9	8.6	3.0	5.6	P	20	TR	80	U	Y	Y	Y	B	B	N	TILL
2	99-M-3	8.3	7.9	1.2	6.7	P	20	TR	80	U	Y	Y	Y	B	B	N	TILL
3	99-M-4	8.0	7.6	0.9	6.7	P	TR	TR	100	U	-	Y	+	B	B	N	TILL
4	99-M-5	7.6	7.1	0.4	6.7	P	20	40	40	U	-	+	Y	B	B	N	TILL
5	99-M-7	7.8	7.4	0.8	6.6	P	10	30	60	U	Y	Y	Y	B	B	N	TILL
6	99-M-8	8.2	7.8	0.8	7.0	P	30	20	50	U	Y	Y	Y	B	B	N	TILL
7	99-M-9	8.2	7.7	0.7	7.0	P	20	10	70	U	Y	Y	Y	B	B	N	TILL
8	99-M-10	6.7	6.2	0.6	5.6	P	50	10	40	U	Y	Y	Y	B	B	N	TILL
9	99-M-11	8.2	7.7	0.6	7.1	P	50	20	30	U	Y	Y	Y	B	B	N	TILL
10	99-M-12	7.9	7.5	0.6	6.9	P	40	10	50	U	Y	Y	Y	B	B	N	TILL
11	99-M-13	8.2	7.9	0.6	7.3	P	40	10	50	U	Y	Y	Y	B	B	N	TILL
12	99-M-14	7.9	7.5	0.5	7.0	P	30	10	60	U	Y	Y	Y	B	B	N	TILL
13	99-M-15	7.9	7.5	0.3	7.2	P	80	TR	20	U	Y	Y	Y	B	B	N	TILL
14	99-M-16	8.1	7.6	0.8	6.8	P	60	10	30	U	Y	Y	Y	B	GB	N	TILL
15	99-M-17	9.7	9.3	0.8	8.5	P	30	10	60	U	Y	Y	Y	B	B	N	TILL
16	99-M-18	9.4	8.8	2.4	6.4	P	30	10	60	U	Y	Y	Y	B	B	N	TILL
17	99-M-19	7.8	7.3	1.0	6.3	P	20	10	70	U	Y	Y	Y	B	B	N	TILL
18	99-M-21	8.7	8.1	0.2	7.9	P	40	TR	60	U	-	+	+	B	B	N	CLAY TILL
19	99-M-25	8.1	7.7	0.9	6.8	P	20	10	70	U	Y	Y	Y	B	B	N	TILL
20	99-M-26	8.6	8.1	1.1	7.0	P	20	20	60	U	Y	Y	Y	B	B	N	TILL
21	99-M-27	8.9	8.6	0.5	8.1	P	30	30	40	U	Y	Y	Y	B	B	N	TILL
22	99-M-28	7.1	6.7	0.9	5.8	P	20	30	50	U	Y	Y	Y	B	B	N	TILL
23	99-M-29	8.3	7.9	1.4	6.5	P	40	20	40	U	Y	Y	Y	B	B	N	TILL
24	99-M-30	8.3	7.8	0.6	7.2	P	20	30	50	U	Y	Y	Y	B	B	N	TILL
25	99-M-31	8.6	8.1	0.6	7.5	P	40	10	50	U	Y	Y	Y	B	B	N	TILL
26	99-M-32	5.9	5.4	0.2	5.2	P	40	50	10	U	Y	Y	Y	B	B	N	TILL
27	99-M-33	8.0	7.6	0.2	7.4	P	20	40	40	U	-	+	+	B	B	N	TILL
28	99-M-34	7.0	6.5	0.2	6.3	P	50	TR	50	U	-	+	+	GB	GB	N	TILL
29	99-M-35	7.6	7.1	0.5	6.6	P	30	50	20	U	Y	Y	Y	B	B	N	TILL
30	99-M-36	9.9	9.4	0.8	8.6	P	30	30	40	U	Y	Y	Y	B	B	N	TILL
31	99-M-39	9.5	9.0	0.8	8.2	P	30	50	20	U	Y	Y	Y	B	B	N	TILL
32	99-M-40	10.4	9.9	1.2	8.7	P	20	70	10	U	Y	Y	Y	B	B	N	TILL
33	99-M-41	8.4	8.0	0.8	7.2	P	10	80	10	U	Y	Y	Y	B	B	N	TILL
34	99-M-42	8.6	8.2	0.9	7.3	P	20	80	0	U	-	Y	+	B	B	N	TILL
35	99-M-43	8.6	8.2	0.5	7.7	P	20	70	10	U	Y	Y	Y	B	B	N	TILL
36	99-M-44	9.9	9.4	0.6	8.8	P	40	TR	60	U	Y	Y	Y	B	B	N	TILL
37	99-M-45	7.0	6.5	0.4	6.1	P	40	10	50	U	Y	Y	Y	B	B	N	TILL
38	99-M-46	8.5	8.0	0.4	7.6	P	30	10	60	U	Y	Y	Y	B	B	N	TILL
39	99-M-47	10.9	10.4	0.3	10.1	P	20	20	60	U	Y	Y	Y	B	B	N	TILL
40	99-M-48	9.4	8.8	3.7	5.1	P	60	10	30	S	MC	-	N	LOC	NA	N	GRAVEL

Process Order	Sample Site	Bulk Rec'd weight (kg)	Table Split weight (kg)	+2 mm Clasts	Table Feed	SAMPLE DESCRIPTION											
						Clasts >2.0 mm				Matrix <2.0 mm				Colour		Organics	Sediment
						SIZE	V/S %	GR %	LS %	S/U	SD	ST	CY	Sand	Clay		
41	99-M-49	9.8	9.2	0.6	8.6	P	20	20	60	U	Y	Y	Y	GB	GB	N	TILL
42	99-M-50	10.9	10.3	2.2	8.1	P	40	10	50	U	Y	Y	Y	B	B	N	TILL
43	99-M-51	6.8	6.3	0.1	6.2	P	90	10	0	U	Y	Y	Y	LOC	LOC	N	TILL
44	99-M-52	8.0	7.4	0.2	7.2	P	30	10	60	U	Y	+	Y	GB	GB	N	TILL
45	99-M-53	9.2	8.7	1.1	7.6	P	40	TR	60	U	Y	Y	Y	B	B	N	TILL
46	99-M-54	8.2	7.7	0.8	6.9	P	30	30	40	U	Y	Y	Y	GB	GB	N	TILL
47	99-M-55	7.9	7.4	0.4	7.0	P	20	20	60	U	Y	+	Y	GB	GB	N	TILL
48	99-M-56	10.6	10.2	2.3	7.9	C	50	30	20	U	Y	Y	Y	B	B	N	TILL
49	99-M-57	10.0	9.6	0.3	9.3	P	20	20	60	U	Y	Y	Y	B	B	N	TILL
50	99-M-59	8.9	8.5	0.4	8.1	P	50	10	40	U	Y	+	Y	B	B	N	TILL
51	99-M-63	9.6	9.1	1.5	7.6	P	20	20	60	U	Y	Y	Y	B	B	N	TILL
52	99-M-64	9.2	8.7	0.7	8.0	P	20	10	70	U	Y	Y	Y	B	B	N	TILL
53	99-M-65	8.3	7.7	0.5	7.2	P	30	10	60	U	Y	Y	Y	B	B	N	TILL
54	99-M-66	11.2	10.7	1.4	9.3	P	40	10	50	U	Y	Y	Y	GB	GB	N	TILL
55	99-M-67	10.3	9.8	0.5	9.3	P	20	20	60	U	Y	Y	Y	B	B	N	TILL
56	99-M-68	8.3	7.8	0.2	7.6	G	30	10	60	U	-	+	Y	B	B	N	TILL
57	99-M-69	7.8	7.3	0.2	7.1	P	10	10	80	U	-	+	+	B	B	Y	CLAY TILL
58	99-M-70	8.5	8.0	0.3	7.7	P	70	10	20	U	Y	+	Y	B	B	N	TILL
59	99-M-71	10.3	9.9	1.4	8.5	P	20	20	60	U	Y	Y	Y	B	B	N	TILL
60	99-M-73	10.2	9.7	0.8	8.9	P	30	30	40	U	Y	Y	Y	B	B	N	TILL
61	99-M-74	10.0	9.5	1.0	8.5	P	30	20	50	U	Y	Y	Y	B	B	N	TILL
62	99-M-75	9.3	8.8	1.5	7.3	P	20	20	60	U	Y	Y	Y	B	B	N	TILL
63	99-M-76	9.0	8.5	0.7	7.8	P	60	10	30	U	Y	Y	Y	B	B	N	TILL
64	99-M-77	8.0	7.5	1.0	6.5	P	30	30	40	U	Y	Y	Y	B	B	N	TILL
65	99-M-78	8.2	7.7	0.7	7.0	P	40	20	40	U	Y	Y	Y	B	B	Y	TILL
66	99-M-79	9.6	9.1	1.1	8.0	P	40	30	30	U	Y	Y	Y	B	B	N	TILL
67	99-M-80	11.2	10.7	1.1	9.6	P	20	40	40	U	Y	Y	Y	GB	GB	N	TILL
68	99-M-81	10.6	10.1	1.2	8.9	P	30	30	40	U	Y	Y	Y	GB	GB	N	TILL
69	99-M-82	10.9	10.4	1.0	9.4	P	35	15	50	U	Y	Y	Y	B	B	N	TILL
70	99-M-83	11.8	11.3	2.0	9.3	P	20	50	30	U	Y	Y	Y	B	B	N	TILL
71	99-M-84	9.3	8.8	1.1	7.7	P	20	50	30	U	Y	Y	Y	B	B	N	TILL
72	99-M-85	10.8	10.3	0.4	9.9	P	40	40	20	U	Y	+	Y	B	B	N	TILL
73	99-M-86	11.6	11.1	1.3	9.8	P	20	50	30	U	Y	Y	Y	B	B	N	TILL
74	99-M-87	9.4	8.9	3.6	5.3	P	30	10	60	U	+	Y	-	B	B	N	TILL
75	99-M-89	8.1	7.6	1.1	6.5	P	30	10	60	U	Y	Y	Y	GB	B	N	TILL
76	99-M-90	8.1	7.6	0.9	6.7	P	30	20	50	U	Y	Y	Y	B	B	N	TILL
77	99-M-91	8.4	7.9	1.5	6.4	P	20	20	60	U	Y	Y	Y	B	B	N	TILL
78	99-M-93	11.5	11.0	1.4	9.6	P	40	20	40	U	Y	Y	Y	B	B	N	TILL
79	99-M-94	9.4	8.9	1.6	7.3	P	40	20	40	U	Y	Y	Y	B	B	N	TILL
80	99-M-95	11.5	11.0	1.6	9.4	P	40	20	40	U	Y	Y	Y	GB	GB	N	TILL
81	99-M-97	10.6	10.1	2.8	7.3	P	40	20	40	U	Y	Y	Y	GB	B	N	TILL
82	99-M-98	10.0	9.5	3.2	6.3	P	50	10	40	U	+	Y	Y	B	B	N	TILL
83	99-M-100	10.0	9.4	3.9	5.5	P	30	20	50	U	+	-	-	B	B	N	SANDY TILL
84	99-M-101	9.4	8.8	2.3	6.5	P	40	10	50	U	Y	Y	Y	B	B	N	TILL
85	99-M-102	9.5	8.9	1.5	7.4	P	30	10	60	U	+	Y	Y	B	B	N	TILL
86	99-M-104	10.3	9.8	0.5	9.4	P	70	10	20	U	Y	Y	Y	GB	GB	N	TILL

Process Order	Sample Site	Bulk Rec'd weight (kg)	Table Split weight (kg)	+2 mm Clasts	Table Feed	SAMPLE DESCRIPTION: Clasts >2.0 mm SIZE	V/S %	GR %	LS %	Matrix <2.0 mm S/U	SD	ST	CY	Colour Sand	Clay	Organics	Sediment
87	99-M-105	12.1	11.5	2.4	9.1	P	30	20	50	U	Y	Y	Y	B	B	N	TILL
88	99-M-106	10.4	9.8	0.5	9.3	P	30	30	40	U	Y	Y	Y	B	B	N	TILL
89	99-M-107	11.1	10.6	0.6	10.0	P	20	20	60	U	Y	+	Y	B	B	N	TILL
90	99-M-108	10.2	9.6	0.5	9.1	P	30	20	50	U	Y	+	Y	B	B	N	TILL
91	99-M-109	10.8	10.3	1.0	9.3	P	40	10	50	U	Y	Y	Y	B	B	N	TILL
92	99-M-111	10.6	10.1	1.1	9.0	P	40	10	50	U	Y	Y	Y	GB	GB	N	TILL
93	99-M-112	10.1	9.5	3.4	6.1	P	30	20	50	U	+	Y	-	B	B	N	TILL
94	99-M-113	8.4	8.0	0.3	7.7	P	40	10	50	U	-	+	Y	B	B	N	TILL
95	99-M-114	10.3	9.6	0.8	8.8	P	45	5	50	U	Y	Y	Y	B	B	N	TILL
96	99-M-115	10.3	9.7	0.8	8.9	P	30	10	60	U	Y	+	Y	B	B	N	TILL
97	99-M-116	9.5	8.9	2.6	6.3	P	40	20	40	S	M,C	N	N	B	NA	N	SAND & GRAVEL
98	99-M-118	8.2	7.8	1.0	6.8	P	40	10	50	U	Y	Y	Y	B	B	N	TILL
99	99-M-121	11.3	10.7	1.0	9.7	P	30	20	50	U	Y	Y	Y	B	B	N	TILL
100	99-M-123	11.4	10.8	1.3	9.5	P	30	20	50	U	Y	Y	Y	B	B	N	TILL
101	99-M-124	11.6	11.1	1.0	10.1	P	30	10	60	U	Y	Y	Y	B	B	N	TILL
102	99-M-125	10.1	9.6	0.8	8.8	P	40	20	40	U	Y	Y	Y	B	B	N	TILL
103	99-M-126	10.6	10.1	1.6	8.5	P	30	10	60	U	Y	Y	Y	B	B	N	TILL
104	99-M-127	11.1	10.6	1.8	8.8	P	30	10	60	U	Y	Y	Y	B	B	N	TILL
105	99-M-129	10.7	10.2	2.7	7.5	P	30	10	60	U	+	Y	-	B	B	N	TILL
106	99-M-131	9.6	9.2	0.8	8.4	P	40	10	50	U	Y	Y	Y	B	B	N	TILL
107	99-M-134	11.3	10.9	1.3	9.6	P	40	10	50	U	Y	Y	Y	B	B	N	TILL
108	99-M-135	12.2	11.7	1.1	10.6	P	20	TR	80	U	Y	Y	Y	B	B	N	TILL
109	99-M-136	9.0	8.5	0.6	7.9	P	30	10	60	U	Y	Y	Y	B	B	N	TILL
110	99-M-139	10.5	9.8	3.0	6.8	P	40	10	50	U	+	Y	-	B	B	N	TILL
111	99-M-140	10.7	10.2	0.6	9.6	P	40	10	50	U	Y	Y	Y	B	B	N	TILL
112	99-M-142	9.3	8.8	1.4	7.4	P	40	10	50	U	Y	Y	Y	B	B	N	TILL
113	99-M-145	10.8	10.2	0.2	10.0	P	50	TR	50	U	Y	Y	Y	GB	GB	N	TILL
114	99-M-146	11.2	10.7	0.9	9.8	P	40	10	50	U	Y	Y	Y	B	B	N	TILL
115	99-M-147	11.4	10.8	0.8	10.0	P	30	TR	70	U	Y	Y	Y	B	B	N	TILL
116	99-M-148	11.6	11.0	1.0	10.0	P	30	10	60	U	Y	Y	Y	B	B	N	TILL
117	99-M-149	11.1	10.5	1.0	9.5	P	30	20	50	U	Y	Y	Y	B	B	N	TILL
118	99-M-150	11.8	11.2	0.8	10.4	P	40	TR	60	U	Y	Y	Y	B	B	N	TILL
119	99-M-151	9.8	9.3	0.6	8.7	P	40	30	30	U	Y	Y	Y	B	B	N	TILL
120	99-M-152	11.4	10.9	0.8	10.1	P	50	TR	50	U	Y	Y	Y	B	B	N	TILL
121	99-M-154	10.1	9.6	0.8	8.8	P	20	10	70	U	Y	Y	Y	B	B	N	TILL
122	99-M-155	11.1	10.5	1.4	9.1	P	30	10	60	U	Y	Y	Y	B	B	N	TILL
123	99-M-156	11.3	10.7	0.8	9.9	P	30	TR	70	U	Y	Y	Y	B	B	N	TILL
124	99-M-157	10.7	10.2	1.0	9.2	P	30	20	50	U	Y	Y	Y	B	B	N	TILL
125	99-M-201	8.9	8.3	1.7	6.6	P	50	TR	50	U	Y	Y	Y	GY	GB	N	TILL
126	99-M-202	9.3	8.7	2.6	6.1	P	50	TR	50	U	Y	Y	Y	GY	GB	N	TILL
127	99-M-203	10.1	10.5	1.4	9.1	P	40	10	50	U	Y	Y	Y	B	B	N	TILL
128	99-M-204	8.8	8.3	0.7	7.6	P	30	20	50	U	-	+	Y	B	B	N	TILL
129	99-M-205	8.9	8.3	0.4	7.9	P	50	TR	50	U	Y	Y	Y	GY	GB	N	TILL
130	99-M-206	7.1	6.6	0.5	6.1	P	30	10	60	U	Y	Y	Y	B	B	N	TILL
131	99-M-207	7.5	7.0	0.9	6.1	P	30	TR	70	U	Y	Y	Y	B	B	N	TILL
132	99-M-208	10.1	9.6	0.4	9.2	P	20	TR	80	U	Y	Y	Y	B	B	N	TILL

Process Order	Sample Site	Bulk Rec'd weight (kg)	Table Split weight (kg)	+2 mm Clasts	Table Feed	SAMPLE DESCRIPTION											
						Clasts >2.0 mm				Matrix <2.0 mm				Colour		Organics	Sediment
						SIZE	V/S %	GR %	LS %	S/U	SD	ST	CY	Sand	Clay		
133	99-M-209	8.9	8.3	0.5	7.8	P	40	TR	60	U	Y	+	Y	GY	GB	N	TILL
134	99-M-210	7.9	7.3	0.9	6.4	P	40	10	50	U	Y	Y	Y	B	B	N	TILL
135	99-M-211	9.9	9.4	1.0	8.4	P	40	TR	60	U	Y	Y	Y	GB	GB	N	TILL
136	99-M-212	7.2	6.8	0.4	6.4	P	40	10	50	U	Y	Y	Y	B	B	N	TILL
137	99-M-213	8.5	8.0	0.6	7.4	P	40	10	50	U	Y	Y	Y	GB	GB	N	TILL
138	99-M-214	9.1	8.5	0.7	7.8	P	40	20	40	U	Y	Y	Y	B	B	N	TILL
139	99-M-215	10.1	9.6	0.8	8.8	P	40	20	40	U	Y	Y	Y	B	B	N	TILL
140	99-M-217	8.9	8.4	5.4	3.0	P	30	10	60	S	M,C	-	N	B	NA	N	GRAVEL
141	99-M-218	7.3	6.8	0.3	6.5	P	50	TR	50	U	Y	Y	Y	B	B	N	TILL
142	99-M-219	8.0	7.4	0.4	7.0	P	30	TR	70	U	Y	Y	Y	B	B	N	TILL
143	99-M-220	10.0	9.5	0.4	9.1	P	40	10	50	U	Y	Y	Y	GB	GB	N	TILL
144	99-M-221	10.0	9.4	0.6	8.8	P	70	TR	30	U	Y	Y	Y	GY	GY	N	TILL
145	99-M-223	8.8	8.1	2.3	5.8	P	50	TR	50	U	+	Y	-	B	B	N	TILL
146	99-M-224	9.5	9.1	1.3	7.8	P	10	10	80	U	Y	Y	Y	B	B	N	TILL
147	99-M-225	8.1	7.6	1.7	5.9	P	50	TR	50	U	+	Y	Y	B	B	N	TILL
148	99-M-226	7.4	7.0	1.0	6.0	P	40	TR	60	U	Y	Y	Y	B	B	N	TILL
149	99-M-227	8.1	7.5	0.9	6.6	P	50	TR	50	U	Y	Y	Y	B	B	N	TILL
150	99-M-228	7.4	7.0	0.6	6.4	P	30	10	60	U	Y	Y	Y	B	B	N	TILL
151	99-M-229	7.2	6.7	1.3	5.4	P	50	10	40	U	Y	Y	Y	B	B	N	TILL
152	99-M-230	8.0	7.5	1.0	6.5	P	40	TR	60	U	Y	Y	Y	B	B	N	TILL
153	99-M-233	7.3	6.8	0.7	6.1	P	40	TR	60	U	Y	Y	Y	B	B	N	TILL
154	99-M-234	7.6	7.1	0.8	6.3	P	30	10	60	U	Y	Y	Y	B	B	N	TILL
155	99-M-235	9.0	8.4	2.5	5.9	P	80	0	20	U	+	Y	Y	BN	LBN	N	TILL
156	99-M-236	8.0	7.5	0.6	6.9	P	50	10	40	U	Y	Y	Y	B	B	N	TILL
157	99-M-237	7.6	7.1	1.0	6.1	P	30	30	40	U	Y	Y	Y	B	B	N	TILL
158	99-M-238	8.4	7.8	0.4	7.4	P	50	TR	50	U	Y	Y	Y	B	B	N	TILL
159	99-M-239	8.6	8.0	0.7	7.3	P	50	10	40	U	Y	Y	Y	B	B	N	TILL
160	99-M-240	9.4	8.8	0.3	8.5	P	50	TR	50	U	-	+	Y	B	B	N	TILL
161	99-M-241	8.2	7.7	0.6	7.1	P	40	TR	60	U	Y	Y	Y	B	B	N	TILL
162	99-M-242	8.1	7.6	0.5	7.1	P	30	TR	70	U	Y	Y	Y	B	B	N	TILL
163	99-M-243	9.0	8.4	1.2	7.2	P	40	10	50	U	Y	Y	Y	B	B	N	TILL
164	99-M-245	8.3	7.8	1.0	6.8	P	40	20	40	U	Y	Y	Y	B	B	N	TILL
165	99-M-246	9.2	8.7	1.0	7.7	P	30	10	60	U	Y	Y	Y	B	B	N	TILL
166	99-M-248	10.4	9.9	0.6	9.3	P	50	10	40	U	Y	Y	Y	B	B	N	TILL
167	99-M-249	8.5	8.5	0.7	7.8	P	10	10	80	U	Y	Y	Y	B	B	N	TILL
168	99-M-250	9.8	9.4	0.4	9.0	P	50	10	40	U	Y	Y	Y	B	B	N	TILL
169	99-M-251	9.6	9.1	0.3	8.8	P	40	TR	60	U	Y	Y	Y	B	B	N	TILL
170	99-M-252	9.4	8.7	1.3	7.4	P	70	20	10	U	Y	Y	Y	B	B	N	TILL
171	99-M-253	8.0	7.4	1.1	6.3	P	30	10	60	U	Y	Y	Y	B	B	N	TILL
172	99-M-257	7.5	6.0	2.8	3.2	P	30	10	60	U	+	Y	-	B	B	N	SANDY TILL
173	99-M-259	6.5	6.1	0.6	5.5	P	50	TR	50	U	Y	Y	Y	B	B	N	TILL
174	99-M-260	7.1	6.7	0.6	6.1	P	20	10	70	U	Y	Y	Y	B	B	N	TILL
175	99-M-261	10.0	9.4	0.4	9.0	P	40	TR	60	U	Y	+	Y	B	B	N	TILL
176	99-M-262	9.9	9.3	0.7	8.6	P	30	10	60	U	Y	Y	Y	B	B	N	TILL
177	99-M-263	8.6	8.2	0.2	8.0	P	40	TR	60	U	Y	+	Y	B	B	N	TILL
178	99-M-264	10.0	9.4	2.6	6.8	P	35	5	60	U	Y	Y	Y	B	B	N	TILL

Process Order	Sample Site	Bulk Rec'd weight (kg)	Table Split weight (kg)	+2 mm Clasts	Table Feed	SAMPLE DESCRIPTION: Clasts >2.0 mm SIZE	V/S %	GR %	LS %	Matrix <2.0 mm S/U	SD	ST	CY	Colour Sand	Clay	Organics	Sediment
179	99-M-265	8.4	7.9	0.3	7.6	P	40	TR	60	U	Y	+	Y	B	B	N	TILL
180	99-M-266	8.5	7.9	1.2	6.7	P	30	20	50	U	Y	Y	Y	B	B	N	TILL
181	99-M-267	7.0	6.4	0.6	5.8	P	20	20	60	U	Y	Y	Y	B	B	N	TILL
182	99-M-268	7.6	7.2	0.3	6.9	P	20	20	60	U	Y	Y	Y	B	B	N	TILL
183	99-M-269	7.9	7.3	0.7	6.6	P	30	5	65	U	Y	Y	Y	B	B	N	TILL
184	99-M-271	8.0	7.4	0.2	7.2	P	40	TR	60	U	-	+	+	B	B	N	TILL
185	99-M-272	9.9	9.3	0.7	8.6	P	30	30	40	U	-	+	Y	B	B	N	TILL
186	99-M-273	7.9	7.4	0.7	6.7	P	30	20	50	U	Y	Y	Y	B	B	N	TILL
187	99-M-274	9.3	8.8	0.1	8.7	P	40	20	40	U	-	+	+	B	B	N	SILTY TILL
188	99-M-275	8.3	7.8	0.7	7.1	P	35	15	50	U	-	+	+	B	B	N	SILTY TILL
189	99-M-276	8.3	7.7	0.4	7.3	P	35	5	60	U	Y	Y	Y	B	B	N	TILL
190	99-M-277	10.7	10.2	0.5	9.7	P	30	20	50	U	Y	Y	Y	B	B	N	TILL
191	99-M-278	10.6	10.0	0.7	9.3	P	25	25	50	U	Y	Y	Y	B	B	N	TILL
192	99-M-279	8.9	8.4	0.1	8.3	P	30	20	50	U	Y	Y	Y	B	B	N	TILL
193	99-M-280	10.1	9.6	0.3	9.3	P	20	20	60	U	-	+	Y	B	B	N	TILL
194	99-M-281	10.3	9.8	1.0	8.8	P	30	15	55	U	Y	+	+	B	B	N	TILL
195	99-M-282	7.9	7.3	0.4	6.9	P	35	10	55	U	Y	+	+	B	B	N	TILL
196	99-M-284	10.7	10.1	0.6	9.5	P	30	20	50	U	-	+	+	B	B	N	TILL
197	99-M-286	8.4	7.7	2.1	5.6	P	15	20	65	U	Y	+	+	B	B	N	TILL
198	99-M-287	10.5	10.1	0.8	9.3	P	30	20	50	U	Y	+	+	B	B	N	TILL
199	99-M-288	10.7	10.7	0.8	9.9	P	30	10	60	U	Y	+	+	B	B	N	TILL
200	99-M-289	10.9	10.3	1.2	9.1	P	30	20	50	U	Y	+	+	B	B	N	TILL
201	99-M-290	8.8	8.3	0.7	7.6	P	15	5	80	U	Y	+	+	B	B	Y	TILL
202	99-M-291	7.8	7.4	0.6	6.8	P	15	5	80	U	Y	Y	Y	B	B	N	TILL
203	99-M-292	11.9	11.2	1.8	9.4	P	25	5	70	U	Y	Y	Y	B	B	N	TILL
204	99-M-293	10.0	9.4	1.1	8.3	P	15	5	80	U	Y	Y	Y	B	B	N	TILL
205	99-M-294	9.3	8.8	0.8	8.0	P	45	5	50	U	Y	Y	Y	GY	GY	N	TILL
206	99-M-295	9.3	8.8	1.4	7.4	P	20	5	75	U	+	-	-	B	B	N	SANDY TILL
207	99-M-296	11.0	10.5	1.3	9.2	P	15	5	80	U	Y	Y	Y	GY	GB	N	TILL
208	99-M-297	9.9	9.5	0.5	9.0	P	80	5	15	U	-	+	Y	B	B	N	SILTY TILL
209	99-M-298	10.8	10.2	0.9	9.3	P	25	5	70	U	Y	Y	Y	B	B	N	TILL
210	99-M-300	10.5	9.9	0.3	9.6	P	30	30	40	U	-	+	+	B	B	N	SILTY TILL
211	99-M-301	8.9	8.4	0.2	8.2	P	30	10	60	U	Y	Y	Y	B	B	N	TILL
212	99-M-302	10.0	9.6	0.6	9.0	P	40	20	40	U	Y	Y	Y	GB	B	N	TILL
213	99-M-303	10.3	9.7	0.6	9.1	P	40	10	50	U	Y	Y	Y	B	B	N	TILL
214	99-M-304	10.8	10.2	1.0	9.2	P	60	30	10	U	Y	+	+	GY	GB	N	TILL
215	99-M-305	11.8	11.2	0.2	11.0	P	50	10	40	U	-	+	+	B	B	N	SILTY TILL
216	99-M-306	10.2	9.6	0.7	8.9	P	40	10	50	U	Y	Y	Y	B	B	Y	TILL
217	99-M-307	9.1	8.5	0.9	7.6	P	30	TR	70	S	MC	Y	N	B	NA	N	SAND
218	99-M-308	11.4	10.8	0.6	10.2	P	40	TR	60	U	Y	+	+	B	B	N	TILL
219	99-M-309	9.5	9.1	0.3	8.8	P	30	10	60	U	Y	+	+	B	B	N	TILL
220	99-M-310	8.2	7.6	0.8	6.8	P	30	10	60	U	Y	+	+	GB	B	N	TILL
221	99-M-311	10.4	9.9	0.6	9.3	P	20	5	75	U	Y	Y	Y	GB	GB	N	TILL
222	99-M-312	7.6	7.0	1.5	5.5	P	20	TR	80	U	Y	Y	Y	B	B	Y	TILL
223	99-M-313	8.0	7.4	1.6	5.8	P	15	TR	85	S	MC	N	N	B	NA	N	SAND
224	99-M-314	10.9	10.5	0.8	9.7	P	10	TR	90	U	Y	Y	Y	GB	GB	N	TILL

Process Order	Sample Site	Bulk Rec'd weight (kg)	Table Split weight (kg)	+2 mm Clasts	Table Feed	SAMPLE DESCRIPTION											
						Clasts >2.0 mm				Matrix <2.0 mm				Colour		Organics	Sediment
						SIZE	V/S %	GR %	LS %	S/U	SD	ST	CY	Sand	Clay		
225	99-M-315	11.2	10.6	0.8	9.8	P	20	5	75	U	Y	Y	Y	B	B	N	TILL
226	99-M-316	10.6	10.0	1.2	8.8	P	10	10	80	U	Y	Y	Y	B	B	N	TILL
227	99-M-317	10.0	9.3	0.5	8.8	P	45	TR	55	U	Y	Y	Y	GY	GY	Y	TILL
228	99-M-319	7.8	7.2	0.6	6.6	P	20	5	75	U	Y	Y	Y	B	B	N	TILL
229	99-M-320	10.1	9.6	0.5	9.1	P	1	5	94	U	Y	Y	Y	B	B	N	TILL
230	99-M-324	7.8	7.2	0.3	6.9	P	30	TR	70	U	Y	Y	Y	B	B	N	TILL
231	99-M-326	10.1	9.3	0.6	8.7	P	10	TR	90	U	Y	Y	Y	B	B	N	TILL
232	99-M-327	10.3	9.7	0.7	9.0	P	15	TR	85	U	Y	Y	Y	B	B	N	TILL
233	99-M-329	10.3	9.7	0.8	8.9	P	10	TR	90	U	Y	Y	Y	GB	B	N	TILL
234	99-M-330	10.2	9.6	0.8	8.8	P	10	TR	90	U	Y	Y	Y	GB	B	N	TILL
235	99-M-331	9.9	9.4	0.5	8.9	P	10	TR	90	U	Y	Y	Y	B	B	N	TILL
236	99-M-332	10.6	10.9	0.6	10.3	P	10	TR	90	U	Y	Y	Y	B	B	N	TILL
237	99-M-334	9.4	8.8	1.9	6.9	P	10	TR	90	U	Y	Y	Y	GB	B	N	TILL
238	99-M-335	11.0	10.4	0.8	9.6	P	15	TR	85	U	Y	Y	Y	B	B	N	TILL
239	99-M-338	9.7	9.3	1.1	8.2	P	10	TR	90	U	Y	Y	Y	GB	B	N	TILL
240	99-M-339	9.5	9.0	4.7	4.3	P	10	TR	90	U	+	-	Y	B	B	N	TILL
241	99-M-341	10.3	9.8	0.8	9.0	P	20	10	70	U	Y	Y	Y	GB	B	N	TILL
242	99-M-342	9.9	9.2	0.8	8.4	P	20	10	70	U	Y	Y	Y	GB	B	N	TILL
243	99-M-343	9.7	8.5	1.8	6.7	P	30	20	50	U	Y	Y	Y	GB	B	N	TILL
244	99-M-344	8.9	8.3	0.8	7.5	P	30	10	60	U	Y	Y	Y	GB	B	N	TILL
245	99-M-345	8.0	7.3	0.6	6.7	P	20	20	60	U	Y	Y	Y	B	B	N	TILL
246	99-M-346	9.0	8.4	0.8	7.6	P	40	10	50	U	Y	Y	Y	GB	B	N	TILL
247	99-M-347	10.7	10.1	1.1	9.0	P	20	20	60	U	Y	Y	Y	B	B	N	TILL
248	99-M-349	10.1	9.5	1.2	8.3	P	40	20	40	U	Y	Y	Y	GY	GB	N	TILL
249	99-M-350	9.5	8.9	1.4	7.5	P	30	10	60	U	Y	Y	Y	B	B	N	TILL
250	99-M-351	8.5	7.9	1.1	6.8	P	10	10	80	U	Y	Y	Y	B	B	N	TILL

Appendix KO-2

Kimberlite Indicator Minerals (KIM)

Sample Site	Table Concentrate <2.0 mm (grams) M.I. Separation S.G 3.20 Total	M.I. Lights	Total Mag	Nonmag Total	-0.25 mm	<0.25 mm (wash)	0.25 to 0.5 mm	0.5 to 1.0 mm	1.0 to 2.0 mm	Selected PseudoKIMs 1.0-2.0 mm Low-Cr diopside	0.5-1.0 mm Low-Cr diopside	0.25-0.5 mm Low-Cr diopside
99-M-2	724.5	702.7	5.6	16.2	12.3	0.4	2.6	0.50	0.40	0	0	1
99-M-3	605.3	582.0	5.9	17.4	14.2	0.3	2.2	0.60	0.10	0	0	0
99-M-4	536.1	526.7	2.5	6.9	5.5	0.1	0.9	0.30	0.10	0	0	0
99-M-5	410.3	397.1	2.8	10.4	7.8	0.4	1.5	0.50	0.20	0	0	0
99-M-7	682.5	648.1	6.8	27.6	22.8	0.4	3.3	0.80	0.30	0	0	0
99-M-8	556.6	537.4	4.5	14.7	11.3	0.3	2.1	0.70	0.30	0	0	1
99-M-9	531.2	514.7	3.8	12.7	9.2	0.4	2.2	0.70	0.20	0	0	2
99-M-10	418.9	408.5	2.7	7.7	5.6	0.2	1.3	0.40	0.20	0	0	0
99-M-11	617.6	596.9	5.4	15.3	12.2	0.4	2.0	0.50	0.20	0	0	1
99-M-12	519.2	505.6	3.9	9.7	7.1	0.3	1.6	0.50	0.20	0	0	0
99-M-13	541.0	519.7	4.8	16.5	13.6	0.4	2.0	0.40	0.10	0	1	1
99-M-14	443.0	425.5	4.0	13.5	10.9	0.4	1.7	0.40	0.10	0	0	0
99-M-15	1424.0	1398.9	4.0	21.1	11.9	0.4	7.8	0.90	0.10	0	0	0
99-M-16	651.3	637.6	2.3	11.4	7.8	0.2	2.6	0.60	0.20	0	0	0
99-M-17	519.6	498.4	5.2	16.0	13.1	0.1	2.0	0.60	0.20	0	0	0
99-M-18	635.1	602.9	9.4	22.8	14.7	1.5	4.6	1.80	0.20	0	0	0
99-M-19	843.8	823.0	5.3	15.5	10.7	0.3	3.4	0.90	0.20	0	0	1
99-M-21	425.1	401.9	5.8	17.4	15.6	0.2	1.2	0.30	0.10	0	0	0
99-M-25	477.6	458.9	5.0	13.7	10.2	0.2	1.9	0.70	0.70	0	0	1
99-M-26	574.8	555.0	5.2	14.6	11.4	0.3	2.1	0.50	0.30	0	0	0
99-M-27	711.0	692.5	4.2	14.3	11.6	0.3	1.8	0.40	0.20	0	0	1
99-M-28	620.6	607.4	3.7	9.5	7.5	0.3	1.3	0.30	0.10	0	0	0
99-M-29	636.5	624.2	3.2	9.1	6.5	0.4	1.2	0.50	0.50	0	0	0
99-M-30	433.5	410.6	6.2	16.7	13.9	0.4	1.6	0.50	0.30	0	0	0
99-M-31	511.8	503.8	2.2	5.8	4.2	0.3	0.9	0.30	0.10	0	0	0
99-M-32	398.6	386.0	2.3	10.3	8.9	0.2	0.9	0.20	0.10	0	0	0
99-M-33	356.0	345.3	2.0	8.7	7.5	0.1	0.8	0.20	0.10	0	0	0
99-M-34	446.7	436.6	2.6	7.5	6.3	0.1	0.8	0.20	0.10	0	0	0
99-M-35	446.2	429.4	3.8	13.0	10.2	0.3	1.5	0.50	0.50	0	0	0
99-M-36	573.8	556.2	4.3	13.3	10.5	0.3	1.8	0.50	0.20	0	0	0
99-M-39	683.6	660.8	5.7	17.1	13.7	0.3	2.2	0.60	0.30	0	0	0
99-M-40	659.2	629.3	6.9	23.0	18.2	0.4	3.2	0.90	0.30	0	0	0
99-M-41	590.6	570.6	4.6	15.4	12.5	0.3	1.9	0.50	0.20	0	0	0
99-M-42	762.2	749.1	2.4	10.7	8.3	0.3	1.6	0.40	0.10	0	0	0
99-M-43	521.8	504.4	4.1	13.3	10.9	0.1	1.7	0.40	0.20	0	0	0
99-M-44	552.3	530.5	4.7	17.1	14.2	0.2	1.9	0.60	0.20	0	0	0
99-M-45	524.1	515.9	2.1	6.1	4.6	0.1	0.9	0.30	0.20	0	0	0
99-M-46	415.4	399.1	3.6	12.7	10.4	0.1	1.6	0.40	0.20	0	0	0
99-M-47	515.4	486.8	6.6	22.0	19.4	0.1	1.9	0.50	0.10	0	0	0
99-M-48	1163.6	1149.8	1.2	12.6	5.4	0.3	3.9	1.60	1.40	0	0	0
99-M-49	529.9	512.1	4.3	13.5	10.2	1.0	1.8	0.40	0.10	0	0	0

Sample Site	Table Concentrate <2.0 mm (grams) M.I. Separation S.G 3.20 Total	M.I. Lights	Total Mag	Nonmag Total	-0.25 mm	<0.25 mm (wash)	0.25 to 0.5 mm	0.5 to 1.0 mm	1.0 to 2.0 mm	Selected PseudoKIMs 1.0-2.0 mm Low-Cr diopside	0.5-1.0 mm Low-Cr diopside	0.25-0.5 mm Low-Cr diopside
99-M-50	696.6	661.0	8.7	26.9	20.4	0.8	3.9	1.30	0.50	0	0	0
99-M-51	438.4	421.1	0.6	16.7	13.2	1.0	1.9	0.40	0.20	0	0	0
99-M-52	448.5	429.7	4.3	14.5	12.6	0.4	1.1	0.30	0.06	0	0	1
99-M-53	517.4	494.4	6.4	16.6	12.4	0.7	2.4	0.70	0.40	0	0	1
99-M-54	393.8	382.5	2.6	8.7	6.0	0.6	1.4	0.40	0.30	0	0	0
99-M-55	440.7	426.1	3.6	11.0	8.5	0.6	1.4	0.40	0.10	0	0	0
99-M-56	741.7	701.4	11.2	29.1	23.8	0.9	3.0	0.90	0.50	0	0	1
99-M-57	444.1	421.6	4.6	17.9	15.1	0.3	2.0	0.40	0.10	0	0	1
99-M-59	502.3	480.7	4.5	17.1	14.4	0.4	1.7	0.40	0.20	0	0	1
99-M-63	620.9	576.2	13.0	31.7	22.8	1.2	5.4	1.70	0.60	0	0	0
99-M-64	408.9	386.1	5.0	17.8	14.4	0.6	1.8	0.60	0.40	0	0	0
99-M-65	508.1	487.6	5.1	15.4	12.0	0.8	1.9	0.50	0.20	0	0	1
99-M-66	677.9	654.3	5.7	17.9	11.9	1.2	3.7	0.80	0.30	0	0	2
99-M-67	548.5	523.8	5.8	18.9	15.1	0.9	2.1	0.60	0.20	0	0	0
99-M-68	301.8	280.9	4.6	16.3	14.6	0.6	0.8	0.20	0.10	0	0	0
99-M-69	268.0	264.3	0.8	2.9	2.5	0.0	0.3	0.04	0.01	0	0	0
99-M-70	384.6	372.4	0.6	11.6	8.7	0.6	1.7	0.50	0.10	0	0	0
99-M-71	604.7	580.8	5.3	18.6	13.7	0.8	2.8	0.90	0.40	0	0	0
99-M-73	536.0	507.7	6.2	22.1	17.3	0.9	2.7	0.80	0.40	0	0	1
99-M-74	608.6	584.4	7.3	16.9	13.5	0.4	2.1	0.60	0.30	0	0	0
99-M-75	626.3	598.3	8.9	19.1	14.1	0.5	2.9	1.10	0.50	0	0	0
99-M-76	539.4	516.5	6.8	16.1	13.4	0.4	1.8	0.40	0.10	0	0	2
99-M-77	447.9	427.3	5.7	14.9	11.7	0.3	2.0	0.60	0.30	0	0	2
99-M-78	630.8	616.9	4.4	9.5	7.1	0.3	1.4	0.50	0.20	0	0	0
99-M-79	507.9	487.6	5.9	14.4	11.6	0.3	1.8	0.50	0.20	0	0	1
99-M-80	614.9	588.3	8.0	18.6	15.0	0.4	2.4	0.60	0.20	0	0	1
99-M-81	593.3	559.0	9.2	25.1	21.1	0.6	2.5	0.60	0.30	0	0	2
99-M-82	658.0	627.5	8.6	21.9	17.9	0.5	2.6	0.70	0.20	0	0	2
99-M-83	733.6	691.3	12.2	30.1	23.1	0.6	4.8	1.20	0.40	0	1	4
99-M-84	563.3	537.7	6.9	18.7	15.5	0.2	2.2	0.50	0.30	0	0	0
99-M-85	642.6	621.3	3.7	17.6	15.3	0.4	1.6	0.30	0.03	0	0	0
99-M-86	647.7	616.9	8.9	21.9	17.2	0.3	3.2	0.90	0.30	0	0	2
99-M-87	700.2	683.3	5.0	11.9	8.6	0.3	1.9	0.70	0.40	0	0	1
99-M-89	548.9	529.9	5.2	13.8	11.2	0.2	1.8	0.40	0.20	0	0	3
99-M-90	468.3	443.4	6.1	18.8	16.7	0.3	1.4	0.30	0.10	0	0	0
99-M-91	581.1	567.0	4.1	10.0	7.4	0.2	1.8	0.40	0.20	0	0	1
99-M-93	701.6	671.7	7.8	22.1	17.9	0.4	2.8	0.70	0.30	0	0	2
99-M-94	698.2	668.8	7.5	21.9	17.0	0.5	2.9	0.90	0.60	0	0	0
99-M-95	714.6	686.2	6.9	19.5	15.0	0.4	3.1	0.70	0.30	0	0	1
99-M-97	628.2	590.4	10.6	27.2	21.6	0.4	3.8	0.80	0.60	0	0	1
99-M-98	768.0	741.6	7.1	19.3	13.7	0.5	3.6	1.00	0.50	0	0	0
99-M-100	866.7	844.7	6.5	15.5	6.7	0.8	6.0	1.20	0.80	0	0	3
99-M-101	761.0	731.4	8.4	21.2	15.0	0.7	4.1	0.90	0.50	0	0	7
99-M-102	552.7	525.0	6.7	21.0	17.7	0.2	2.4	0.50	0.20	0	1	2
99-M-104	522.2	499.0	6.0	17.2	14.8	0.2	1.6	0.40	0.20	0	0	2
99-M-105	885.7	839.3	11.9	34.5	26.9	0.7	5.1	1.20	0.60	0	0	4
99-M-106	573.6	548.3	6.5	18.8	15.3	0.2	2.4	0.70	0.20	0	0	1

Table Concentrate <2.0 mm (grams)

Sample Site	M.I. Separation S.G 3.20 Total	M.I. Lights	Total Mag	Nonmag Total	-0.25 mm	<0.25 mm (wash)	0.25 to 0.5 mm	0.5 to 1.0 mm	1.0 to 2.0 mm	Selected PseudoKIMs 1.0-2.0 mm Low-Cr diopside	0.5-1.0 mm Low-Cr diopside	0.25-0.5 mm Low-Cr diopside
99-M-107	506.3	477.3	7.1	21.9	18.8	0.3	2.2	0.50	0.10	0	0	2
99-M-108	510.0	481.8	6.5	21.7	18.7	0.4	2.0	0.40	0.20	0	0	4
99-M-109	654.5	620.3	9.0	25.2	21.3	0.3	2.9	0.60	0.10	0	0	1
99-M-111	489.9	462.3	7.1	20.5	16.8	0.4	2.6	0.50	0.20	0	0	1
99-M-112	663.0	611.1	14.3	37.6	29.4	0.5	5.5	1.40	0.80	0	0	6
99-M-113	414.6	390.2	5.7	18.7	16.3	0.4	1.6	0.30	0.10	0	0	1
99-M-114	497.2	467.5	7.4	22.3	18.8	0.3	2.6	0.50	0.10	0	0	2
99-M-115	449.5	415.9	8.4	25.2	22.1	0.3	2.2	0.50	0.10	0	0	2
99-M-116	899.4	874.7	4.2	20.5	10.4	0.3	5.8	2.00	2.00	0	0	3
99-M-118	472.5	449.4	6.2	16.9	14.1	0.4	1.8	0.40	0.20	0	0	1
99-M-121	575.2	552.7	5.9	16.6	13.1	0.4	2.2	0.70	0.20	0	0	0
99-M-123	722.7	698.3	5.7	18.7	14.5	0.5	2.6	0.80	0.30	0	0	0
99-M-124	519.6	491.1	7.2	21.3	17.5	0.5	2.6	0.60	0.10	0	0	3
99-M-125	516.9	489.1	6.0	21.8	17.5	0.3	3.2	0.60	0.20	0	0	3
99-M-126	707.8	682.9	6.1	18.8	13.5	0.6	3.4	0.90	0.40	0	0	3
99-M-127	640.5	605.3	8.4	26.8	21.0	0.5	3.9	1.00	0.40	0	0	2
99-M-129	696.2	669.1	5.4	21.7	16.0	0.5	4.0	0.90	0.30	0	0	1
99-M-131	456.5	440.9	3.5	12.1	9.4	0.5	1.6	0.40	0.20	0	0	1
99-M-134	495.9	466.0	6.8	23.1	19.0	0.7	2.6	0.60	0.20	0	0	1
99-M-135	628.5	604.6	5.6	18.3	14.6	0.6	2.3	0.50	0.30	0	0	2
99-M-136	444.6	424.9	5.1	14.6	11.9	0.3	1.9	0.40	0.10	0	0	1
99-M-139	747.8	727.3	5.5	15.0	8.6	0.7	4.3	1.00	0.40	0	0	2
99-M-140	458.7	442.1	3.8	12.8	10.2	0.4	1.8	0.30	0.10	0	0	1
99-M-142	528.7	501.1	6.7	20.9	16.4	0.3	3.2	0.70	0.30	0	0	3
99-M-145	429.0	408.0	3.4	17.6	13.8	0.8	2.4	0.50	0.10	0	0	1
99-M-146	577.3	542.1	7.9	27.3	21.8	0.7	3.6	0.80	0.40	0	0	2
99-M-147	569.3	537.3	7.1	24.9	20.5	0.6	2.9	0.70	0.20	0	0	2
99-M-148	577.5	556.5	4.8	16.2	12.5	0.4	2.3	0.70	0.30	0	0	1
99-M-149	481.5	459.2	5.2	17.1	13.0	1.0	2.4	0.50	0.20	0	0	0
99-M-150	548.3	499.9	11.7	36.7	32.5	0.8	2.7	0.60	0.10	0	0	0
99-M-151	483.6	465.5	3.7	14.4	11.2	0.7	1.9	0.40	0.20	0	0	4
99-M-152	576.7	556.0	4.6	16.1	12.6	0.6	2.2	0.50	0.20	0	0	0
99-M-154	598.3	578.3	4.0	16.0	12.2	0.8	2.4	0.50	0.10	0	1	2
99-M-155	726.7	691.9	6.5	28.3	23.2	0.8	3.0	0.90	0.40	0	0	2
99-M-156	991.0	969.3	4.7	17.0	12.9	0.6	2.5	0.70	0.30	0	0	2
99-M-157	510.2	481.6	6.4	22.2	16.8	0.7	3.2	1.00	0.50	0	0	0
99-M-201	495.0	419.9	30.7	44.4	32.2	2.3	6.6	1.80	1.50	0	0	1
99-M-202	626.9	600.5	5.7	20.7	12.8	1.1	4.3	1.40	1.10	0	0	0
99-M-203	454.4	417.2	8.3	28.9	24.0	0.5	3.1	0.90	0.40	0	0	0
99-M-204	347.9	313.7	5.6	28.6	26.3	0.6	1.2	0.30	0.20	0	0	0
99-M-205	435.7	408.8	7.5	19.4	15.0	1.0	2.7	0.50	0.20	0	0	0
99-M-206	391.5	372.6	4.5	14.4	12.1	0.6	1.4	0.20	0.10	0	0	1
99-M-207	368.7	353.6	3.6	11.5	8.7	0.7	1.6	0.40	0.10	0	0	0
99-M-208	448.7	428.6	4.2	15.9	12.9	0.5	1.7	0.50	0.30	0	0	2
99-M-209	399.2	372.3	6.3	20.6	16.7	1.1	2.3	0.40	0.10	0	0	0
99-M-210	377.2	359.2	4.5	13.5	10.0	0.8	1.8	0.50	0.40	0	0	0
99-M-211	530.3	508.5	5.1	16.7	12.8	0.6	2.5	0.50	0.30	0	0	1

Sample Site	Table Concentrate <2.0 mm (grams) M.I. Separation S.G 3.20 Total	M.I. Lights	Total Mag	Nonmag Total	-0.25 mm	<0.25 mm (wash)	0.25 to 0.5 mm	0.5 to 1.0 mm	1.0 to 2.0 mm	Selected PseudoKIMs 1.0-2.0 mm Low-Cr diopside	0.5-1.0 mm Low-Cr diopside	0.25-0.5 mm Low-Cr diopside
99-M-212	427.3	416.9	2.4	8.0	6.1	0.4	1.1	0.30	0.06	0	0	2
99-M-213	470.9	454.7	1.8	14.4	11.2	0.4	2.2	0.50	0.10	0	0	1
99-M-214	456.6	427.3	5.8	23.5	13.6	2.7	3.9	2.20	1.10	0	0	2
99-M-215	548.8	528.6	4.6	15.6	12.4	0.5	2.0	0.50	0.20	0	0	0
99-M-217	794.1	787.5	1.4	5.2	1.0	0.4	1.9	1.40	0.50	0	0	1
99-M-218	510.0	499.3	2.5	8.2	6.5	0.5	0.9	0.20	0.10	0	0	1
99-M-219	528.5	509.4	4.1	15.0	13.2	0.3	1.2	0.30	0.04	0	0	0
99-M-220	640.2	624.0	3.8	12.4	10.3	0.4	1.3	0.30	0.10	0	0	0
99-M-221	601.0	577.5	3.7	19.8	15.6	0.4	2.8	0.70	0.30	0	0	1
99-M-223	893.2	875.5	4.3	13.4	7.2	0.6	3.5	1.40	0.70	0	0	2
99-M-224	463.2	451.5	3.3	8.4	6.3	0.5	1.2	0.30	0.10	0	0	1
99-M-225	653.0	636.0	3.2	13.8	9.6	0.7	2.5	0.70	0.30	0	0	2
99-M-226	520.4	500.9	4.5	15.0	11.7	0.4	2.1	0.60	0.20	0	0	2
99-M-227	430.6	415.7	3.4	11.5	8.8	0.5	1.7	0.40	0.10	0	0	0
99-M-228	461.7	452.8	2.1	6.8	5.0	0.3	1.1	0.30	0.10	0	0	1
99-M-229	441.7	429.1	3.2	9.4	7.1	0.4	1.2	0.40	0.30	0	0	0
99-M-230	554.9	541.1	3.1	10.7	8.0	0.3	1.8	0.50	0.10	0	0	0
99-M-233	456.8	445.2	2.8	8.8	6.2	0.6	1.4	0.40	0.20	0	0	1
99-M-234	419.2	411.5	2.1	5.6	4.0	0.2	1.0	0.30	0.10	0	0	0
99-M-235	698.7	659.9	8.0	30.8	24.8	0.9	3.3	1.00	0.80	0	0	1
99-M-236	545.0	534.6	2.3	8.1	6.3	0.5	1.0	0.20	0.10	0	0	1
99-M-237	461.3	448.5	3.1	9.7	7.2	0.6	1.5	0.30	0.10	0	0	0
99-M-238	452.0	430.0	5.0	17.0	14.3	0.4	1.8	0.40	0.10	0	0	2
99-M-239	465.7	447.3	4.0	14.4	11.7	0.4	1.6	0.50	0.20	0	0	0
99-M-240	459.5	444.7	2.8	12.0	9.3	0.6	1.3	0.50	0.30	0	0	0
99-M-241	505.7	496.4	2.5	6.8	5.3	0.1	0.9	0.30	0.20	0	0	0
99-M-242	449.2	438.2	2.7	8.3	6.5	0.2	1.0	0.30	0.30	0	0	0
99-M-243	609.7	596.2	4.1	9.4	6.7	0.3	1.6	0.50	0.30	0	0	0
99-M-245	518.1	494.7	6.8	16.6	12.4	0.3	2.6	0.80	0.50	0	0	1
99-M-246	559.5	535.7	5.4	18.4	15.1	0.6	2.0	0.50	0.20	0	0	0
99-M-248	725.3	707.5	3.9	13.9	10.3	0.6	2.1	0.60	0.30	0	1	0
99-M-249	458.2	445.9	3.5	8.8	6.4	0.5	1.4	0.40	0.10	0	0	0
99-M-250	863.3	835.8	7.1	20.4	17.6	0.2	2.0	0.50	0.10	0	0	1
99-M-251	396.9	373.6	5.0	18.3	16.9	0.2	1.0	0.20	0.04	0	0	0
99-M-252	604.5	584.4	4.5	15.6	11.8	0.4	2.5	0.60	0.30	0	0	0
99-M-253	409.8	382.2	7.3	20.3	16.0	0.3	2.8	0.80	0.40	0	0	0
99-M-257	468.5	417.2	14.1	37.2	28.6	1.1	5.4	0.90	1.20	0	0	3
99-M-259	611.8	596.4	2.8	12.6	9.3	0.4	2.3	0.50	0.10	0	0	0
99-M-260	477.8	467.6	2.6	7.6	5.7	0.4	1.1	0.30	0.10	0	0	0
99-M-261	621.9	595.0	1.0	25.9	20.5	0.9	3.3	0.80	0.40	0	0	1
99-M-262	472.7	449.2	6.2	17.3	13.9	0.5	2.2	0.50	0.20	0	0	1
99-M-263	485.6	461.1	8.0	16.5	15.1	0.1	1.0	0.20	0.10	0	0	0
99-M-264	705.7	678.8	5.5	21.4	15.6	0.7	3.7	0.90	0.50	0	0	0
99-M-265	376.7	362.5	3.3	10.9	9.3	0.3	1.0	0.20	0.10	0	0	2
99-M-266	514.6	494.9	5.1	14.6	11.2	0.4	2.2	0.60	0.20	0	0	1
99-M-267	527.2	517.7	2.8	6.7	5.3	0.1	1.0	0.20	0.10	0	0	0
99-M-268	520.8	489.9	8.1	22.8	21.4	0.1	1.0	0.20	0.10	0	0	0

Sample Site	Table Concentrate <2.0 mm (grams) M.I. Separation S.G 3.20 Total	M.I. Lights	Total Mag	Nonmag Total	-0.25 mm	<0.25 mm (wash)	0.25 to 0.5 mm	0.5 to 1.0 mm	1.0 to 2.0 mm	Selected PseudoKIMs 1.0-2.0 mm Low-Cr diopside	0.5-1.0 mm Low-Cr diopside	0.25-0.5 mm Low-Cr diopside
99-M-269	398.9	386.2	3.5	9.2	7.4	0.0	1.1	0.50	0.20	0	0	0
99-M-271	439.9	426.5	3.5	9.9	8.5	0.2	0.9	0.20	0.10	0	0	0
99-M-272	501.3	485.0	4.9	11.4	9.2	0.2	1.5	0.40	0.10	0	0	0
99-M-273	487.2	472.6	4.3	10.3	8.3	0.3	1.3	0.30	0.10	0	1	1
99-M-274	540.8	523.4	2.2	15.2	14.3	0.2	0.5	0.10	0.10	0	0	0
99-M-275	529.9	505.7	6.4	17.8	15.1	0.4	1.8	0.40	0.10	0	0	0
99-M-276	406.2	387.0	5.1	14.1	12.1	0.3	1.3	0.30	0.10	0	0	1
99-M-277	515.0	486.4	6.8	21.8	19.2	0.4	1.8	0.30	0.10	0	0	1
99-M-278	557.3	537.0	5.7	14.6	12.0	0.4	1.6	0.50	0.10	0	0	1
99-M-279	382.2	347.6	8.4	26.2	25.4	0.3	0.4	0.10	0.01	0	0	1
99-M-280	713.1	637.1	13.0	63.0	60.5	0.2	1.6	0.50	0.20	0	0	0
99-M-281	801.2	776.4	6.9	17.9	13.5	0.6	2.1	1.00	0.70	0	0	0
99-M-282	493.0	478.3	4.0	10.7	8.3	0.2	1.4	0.50	0.30	0	0	0
99-M-284	897.7	880.3	3.7	13.7	10.4	0.3	2.1	0.60	0.30	0	0	2
99-M-286	810.8	783.9	9.3	17.6	13.6	0.3	2.4	0.90	0.40	0	0	1
99-M-287	577.3	561.3	4.1	11.9	9.7	0.3	1.5	0.30	0.10	0	0	1
99-M-288	479.7	463.6	4.3	11.8	9.7	0.1	1.7	0.20	0.10	0	0	1
99-M-289	569.0	544.5	6.3	18.2	15.5	0.2	2.0	0.40	0.10	0	0	0
99-M-290	371.3	358.0	3.3	10.0	8.0	0.3	1.3	0.30	0.10	0	0	1
99-M-291	531.3	515.2	4.0	12.1	10.1	0.2	1.3	0.30	0.20	0	0	0
99-M-292	670.4	632.0	10.4	28.0	22.1	1.0	3.9	0.80	0.20	0	0	1
99-M-293	570.3	539.1	8.2	23.0	19.1	0.7	2.5	0.50	0.20	0	0	1
99-M-294	588.0	566.9	6.7	14.4	9.3	0.7	3.3	0.80	0.30	0	0	1
99-M-295	1272.9	1240.8	9.6	22.5	13.3	1.3	6.9	0.70	0.30	0	0	4
99-M-296	567.3	542.5	6.8	18.0	14.6	0.7	2.2	0.40	0.10	0	0	0
99-M-297	517.2	499.5	4.6	13.1	10.9	0.6	1.3	0.20	0.10	0	0	0
99-M-298	704.4	675.4	7.7	21.3	17.5	0.8	2.4	0.50	0.10	0	0	2
99-M-300	518.2	498.0	5.3	14.9	13.2	0.4	1.1	0.20	0.04	0	0	0
99-M-301	423.3	385.0	9.2	29.1	26.8	0.9	1.3	0.10	0.05	0	0	0
99-M-302	536.9	511.0	4.9	21.0	17.9	0.6	2.0	0.40	0.10	0	0	0
99-M-303	553.4	540.3	3.9	9.2	7.2	0.2	1.3	0.30	0.20	0	0	0
99-M-304	636.7	617.7	5.1	13.9	11.1	0.4	1.8	0.40	0.20	0	0	2
99-M-305	623.8	579.2	13.0	31.6	28.0	0.5	2.6	0.40	0.06	0	0	0
99-M-306	508.3	475.3	8.8	24.2	20.5	0.7	2.6	0.30	0.10	0	0	2
99-M-307	1094.2	1086.3	1.2	6.7	3.1	0.5	2.0	0.90	0.20	0	0	0
99-M-308	681.0	647.2	11.2	22.6	18.9	0.5	2.5	0.50	0.20	0	0	0
99-M-309	178.5	162.3	4.7	11.5	10.7	0.2	0.5	0.10	0.05	0	0	0
99-M-310	999.8	981.2	5.4	13.2	11.2	0.3	1.3	0.30	0.10	0	0	0
99-M-311	447.7	430.7	4.5	12.5	9.6	0.4	1.8	0.50	0.20	0	0	0
99-M-312	475.0	463.3	3.5	8.2	4.8	0.4	1.9	0.70	0.40	0	0	0
99-M-313	1013.3	1008.1	0.8	4.4	1.2	0.2	1.9	0.70	0.40	0	0	0
99-M-314	461.8	449.5	3.2	9.1	6.7	0.4	1.4	0.40	0.20	0	0	1
99-M-315	412.2	407.5	1.6	3.1	1.7	0.1	0.8	0.30	0.20	0	0	0
99-M-316	522.2	513.1	2.8	6.3	4.2	0.4	1.2	0.30	0.20	0	0	0
99-M-317	532.3	524.1	0.6	7.6	5.2	0.2	1.5	0.50	0.20	0	0	0
99-M-319	459.2	447.9	3.1	8.2	6.1	0.2	1.3	0.40	0.20	0	0	1
99-M-320	475.9	461.9	3.6	10.4	7.7	0.5	1.4	0.50	0.30	0	0	0

Sample Site	Table Concentrate <2.0 mm (grams) M.I. Separation S.G 3.20 Total	M.I. Lights	Total Mag	Nonmag Total	-0.25 mm	<0.25 mm (wash)	0.25 to 0.5 mm	0.5 to 1.0 mm	1.0 to 2.0 mm	Selected PseudoKIMs 1.0-2.0 mm Low-Cr diopside	0.5-1.0 mm Low-Cr diopside	0.25-0.5 mm Low-Cr diopside
99-M-324	382.1	372.3	2.5	7.3	5.3	0.3	1.3	0.30	0.10	0	0	0
99-M-326	416.8	401.8	3.6	11.4	8.5	0.2	1.8	0.60	0.30	0	0	1
99-M-327	517.7	501.2	3.8	12.7	9.2	0.3	2.2	0.70	0.30	0	0	1
99-M-329	498.6	478.1	5.3	15.2	11.9	0.4	1.9	0.70	0.30	0	0	2
99-M-330	446.0	433.1	2.8	10.1	7.1	0.4	1.6	0.60	0.40	0	0	0
99-M-331	494.4	479.6	3.3	11.5	8.4	0.6	1.7	0.50	0.30	0	0	0
99-M-332	414.6	398.2	3.4	13.0	10.0	0.5	1.6	0.60	0.30	0	0	1
99-M-334	544.4	525.6	4.8	14.0	9.6	0.5	2.3	0.90	0.70	0	0	0
99-M-335	784.9	745.0	11.4	28.5	21.8	1.1	4.0	1.00	0.60	0	0	1
99-M-338	411.9	395.2	3.7	13.0	7.6	0.3	2.5	1.80	0.80	0	0	1
99-M-339	518.1	507.4	2.9	7.8	4.6	0.2	1.5	0.70	0.80	0	0	0
99-M-341	719.9	705.7	3.4	10.8	7.1	0.4	2.0	0.80	0.50	0	0	0
99-M-342	496.0	443.9	32.1	20.0	11.4	1.0	2.9	2.00	2.70	0	0	0
99-M-343	1053.1	1024.8	8.7	19.6	13.2	0.7	3.5	1.30	0.90	0	0	0
99-M-344	459.7	447.5	3.9	8.3	6.0	0.1	1.2	0.50	0.50	0	0	0
99-M-345	432.5	420.0	3.5	9.0	6.8	0.3	1.3	0.40	0.20	0	0	0
99-M-346	420.5	404.8	2.7	13.0	7.9	1.2	2.4	1.10	0.40	0	0	0
99-M-347	636.6	622.3	4.5	9.8	6.6	0.5	1.9	0.50	0.30	0	0	0
99-M-349	646.6	627.8	6.0	12.8	8.8	0.8	2.3	0.60	0.30	0	0	1
99-M-350	683.1	661.4	5.4	16.3	11.9	0.6	2.6	0.80	0.40	0	0	0
99-M-351	394.3	388.9	2.0	3.4	2.5	0.1	0.6	0.20	0.04	0	0	0

KIM COUNT (* species not rigorously picked; excluded from total)

Sample Site	1.0 to 2.0 mm						0.5 to 1.0 mm						0.25 to 0.5 mm						Total KIMs
	GP	GO	DC	IM	CR	FO*	GP	GO	DC	IM	CR	FO*	GP	GO*	DC	IM*	CR	FO*	
99-M-2	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1
99-M-3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
99-M-4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
99-M-5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
99-M-7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
99-M-8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
99-M-9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
99-M-10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
99-M-11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	1	2	0	4
99-M-12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1
99-M-13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
99-M-14	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1
99-M-15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
99-M-16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1
99-M-17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0
99-M-18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
99-M-19	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1
99-M-21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
99-M-25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
99-M-26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
99-M-27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
99-M-28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1
99-M-29	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1
99-M-30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
99-M-31	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
99-M-32	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
99-M-33	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
99-M-34	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0
99-M-35	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	0	1
99-M-36	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	2
99-M-39	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1
99-M-40	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	2	0	0	0
99-M-41	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
99-M-42	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
99-M-43	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	2	0
99-M-44	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
99-M-45	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1
99-M-46	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1
99-M-47	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	2
99-M-48	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
99-M-49	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

KIM COUNT (* species not rigorously picked; excluded from total)

Sample Site	1.0 to 2.0 mm						0.5 to 1.0 mm						0.25 to 0.5 mm						Total KIMs
	GP	GO	DC	IM	CR	FO*	GP	GO	DC	IM	CR	FO*	GP	GO*	DC	IM*	CR	FO*	
99-M-50	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0
99-M-51	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	2
99-M-52	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1
99-M-53	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
99-M-54	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1	0	2
99-M-55	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1	0	2
99-M-56	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
99-M-57	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1
99-M-59	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1
99-M-63	0	0	0	0	0	0	0	0	0	0	2	1	1	0	1	0	4	0	8
99-M-64	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1
99-M-65	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	2
99-M-66	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	1
99-M-67	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
99-M-68	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
99-M-69	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
99-M-70	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	2
99-M-71	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1	0	2
99-M-73	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1
99-M-74	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	0
99-M-75	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1
99-M-76	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
99-M-77	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
99-M-78	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
99-M-79	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
99-M-80	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1
99-M-81	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1
99-M-82	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
99-M-83	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	2
99-M-84	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1
99-M-85	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
99-M-86	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
99-M-87	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1
99-M-89	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	0	1
99-M-90	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
99-M-91	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
99-M-93	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1
99-M-94	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
99-M-95	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
99-M-97	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
99-M-98	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	0	1
99-M-100	0	0	0	0	0	0	0	0	0	0	0	2	1	0	0	1	0	1	1
99-M-101	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	2
99-M-102	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1
99-M-104	0	0	0	0	0	0	0	0	0	0	4	0	0	0	1	0	20(75)	0	80
99-M-105	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	2
99-M-106	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	2

KIM COUNT (* species not rigorously picked; excluded from total)

Sample Site	1.0 to 2.0 mm						0.5 to 1.0 mm						0.25 to 0.5 mm						Total KIMs
	GP	GO	DC	IM	CR	FO*	GP	GO	DC	IM	CR	FO*	GP	GO*	DC	IM*	CR	FO*	
99-M-107	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	2
99-M-108	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	2
99-M-109	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	2
99-M-111	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
99-M-112	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	3	0	4
99-M-113	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1
99-M-114	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
99-M-115	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
99-M-116	0	0	0	0	0	0	0	0	0	0	0	0	2	0	1	0	0	0	3
99-M-118	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
99-M-121	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
99-M-123	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
99-M-124	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
99-M-125	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	1	0
99-M-126	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	2
99-M-127	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
99-M-129	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	2
99-M-131	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
99-M-134	0	0	0	0	0	0	0	0	0	0	1	0	2	0	0	0	3	1	6
99-M-135	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
99-M-136	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	4	0
99-M-139	0	0	0	0	0	0	0	0	0	0	0	0	4	0	0	0	5	0	9
99-M-140	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1	0	2
99-M-142	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	2
99-M-145	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
99-M-146	0	0	0	0	0	1	0	0	0	0	0	1	1	0	0	0	0	0	1
99-M-147	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
99-M-148	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
99-M-149	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	2	1
99-M-150	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
99-M-151	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
99-M-152	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	2
99-M-154	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0
99-M-155	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
99-M-156	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
99-M-157	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
99-M-201	0	0	0	0	0	0	0	0	0	0	1	0	1	0	1	0	0	0	3
99-M-202	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1
99-M-203	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1
99-M-204	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1
99-M-205	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
99-M-206	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
99-M-207	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
99-M-208	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1
99-M-209	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
99-M-210	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1
99-M-211	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

KIM COUNT (* species not rigorously picked; excluded from total)

Sample Site	1.0 to 2.0 mm						0.5 to 1.0 mm						0.25 to 0.5 mm						Total KIMs
	GP	GO	DC	IM	CR	FO*	GP	GO	DC	IM	CR	FO*	GP	GO*	DC	IM*	CR	FO*	
99-M-212	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1
99-M-213	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
99-M-214	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1
99-M-215	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
99-M-217	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	1
99-M-218	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
99-M-219	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
99-M-220	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
99-M-221	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1
99-M-223	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1
99-M-224	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0
99-M-225	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
99-M-226	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
99-M-227	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
99-M-228	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
99-M-229	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
99-M-230	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
99-M-233	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
99-M-234	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
99-M-235	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	2
99-M-236	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1
99-M-237	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
99-M-238	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
99-M-239	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
99-M-240	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
99-M-241	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
99-M-242	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
99-M-243	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
99-M-245	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1
99-M-246	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
99-M-248	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	1
99-M-249	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
99-M-250	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1
99-M-251	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
99-M-252	0	0	0	0	0	0	0	0	0	1	0	0	2	0	0	0	1	1	4
99-M-253	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	3	0	5
99-M-257	0	0	0	0	0	0	0	0	0	3	1	0	1	0	0	0	0	0	5
99-M-259	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
99-M-260	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1
99-M-261	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	2	0	4
99-M-262	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
99-M-263	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
99-M-264	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1
99-M-265	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
99-M-266	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
99-M-267	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
99-M-268	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

KIM COUNT (* species not rigorously picked; excluded from total)

Sample Site	1.0 to 2.0 mm						0.5 to 1.0 mm						0.25 to 0.5 mm						Total KIMs
	GP	GO	DC	IM	CR	FO*	GP	GO	DC	IM	CR	FO*	GP	GO*	DC	IM*	CR	FO*	
99-M-269	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1
99-M-271	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	2
99-M-272	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	2
99-M-273	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
99-M-274	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
99-M-275	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
99-M-276	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
99-M-277	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
99-M-278	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1
99-M-279	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
99-M-280	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
99-M-281	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
99-M-282	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
99-M-284	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
99-M-286	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
99-M-287	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
99-M-288	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	1
99-M-289	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
99-M-290	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
99-M-291	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
99-M-292	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0
99-M-293	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1
99-M-294	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	0	2
99-M-295	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
99-M-296	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
99-M-297	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
99-M-298	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
99-M-300	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
99-M-301	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
99-M-302	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1
99-M-303	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
99-M-304	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	1	0	2
99-M-305	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
99-M-306	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	1
99-M-307	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
99-M-308	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	3
99-M-309	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	0	2
99-M-310	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
99-M-311	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
99-M-312	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	3
99-M-313	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
99-M-314	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
99-M-315	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
99-M-316	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
99-M-317	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1
99-M-319	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	0	0	0
99-M-320	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0

KIM COUNT (° species not rigorously picked; excluded from total)

Sample Site	1.0 to 2.0 mm						0.5 to 1.0 mm						0.25 to 0.5 mm						Total KIMs
	GP	GO	DC	IM	CR	FO°	GP	GO	DC	IM	CR	FO°	GP	GO°	DC	IM°	CR	FO°	
99-M-324	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
99-M-326	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
99-M-327	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	2
99-M-329	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1
99-M-330	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1
99-M-331	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
99-M-332	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1
99-M-334	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1
99-M-335	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	2
99-M-338	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0
99-M-339	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
99-M-341	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
99-M-342	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
99-M-343	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
99-M-344	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
99-M-345	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
99-M-346	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
99-M-347	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
99-M-349	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1
99-M-350	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
99-M-351	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Appendix KO-3

Kimberlite Indicator Minerals - Remarks

Process Order	Sample Site	Remarks
1	99-M-2	No KIM remarks.
2	99-M-3	No KIM remarks.
3	99-M-4	No KIM remarks.
4	99-M-5	No KIM remarks.
5	99-M-7	No KIM remarks.
6	99-M-8	No KIM remarks.
7	99-M-9	No KIM remarks.
8	99-M-10	No KIM remarks.
9	99-M-11	SEM checks from 0.25-0.5 mm fraction: 3 IM versus crustal ilmenite candidates = 1 IM and 2 crustal ilmenite.
10	99-M-12	No KIM remarks.
11	99-M-13	No KIM remarks.
12	99-M-14	No KIM remarks.
13	99-M-15	SEM checks from 0.25-0.5 mm fraction: 1 GP versus ruby corundum candidate = 1 ruby corundum (picked as MMSIM).
14	99-M-16	No KIM remarks.
15	99-M-17	SEM checks from 0.25-0.5 mm fraction: 2 IM versus crustal ilmenite candidates = 1 IM and 1 crustal ilmenite.
16	99-M-18	No KIM remarks.
17	99-M-19	No KIM remarks.
18	99-M-21	No KIM remarks.
19	99-M-25	No KIM remarks.
20	99-M-26	No KIM remarks.
21	99-M-27	No KIM remarks.
22	99-M-28	SEM checks from 0.25-0.5 mm fraction: 1 CR versus crustal ilmenite candidate = 1 CR; and I IM versus crustal ilmenite candidate = 1 crustal ilmenite.
23	99-M-29	SEM check from 0.25-0.5 mm fraction: 1 IM versus crustal ilmenite candidate = 1 crustal ilmenite.
24	99-M-30	SEM check from 0.25-0.5 mm fraction: 1 IM versus crustal ilmenite candidate = 1 crustal ilmenite.
25	99-M-31	No KIM remarks.
26	99-M-32	No KIM remarks.
27	99-M-33	No KIM remarks.
28	99-M-34	No KIM remarks.
29	99-M-35	SEM check from 0.25-0.5 mm fraction: 1 IM versus crustal ilmenite candidate = 1 crustal ilmenite.
30	99-M-36	SEM check from 0.5-1.0 mm fraction: 1 forsterite versus diopside candidate = 1 corundum (picked as MMSIM).
31	99-M-39	SEM checks from 0.25-0.5 mm fraction: 2 GO versus almandine candidates = 2 almandine; and 2 IM versus crustal ilmenite candidates = 1 CR and 1 crustal ilmenite.
32	99-M-40	No KIM remarks.
33	99-M-41	No KIM remarks.
34	99-M-42	SEM check from 0.25-0.5 mm fraction: 1 pale purple GP versus ruby corundum candidate = 1 ruby corundum (picked as MMSIM).
35	99-M-43	No KIM remarks.
36	99-M-44	No KIM remarks.
37	99-M-45	SEM check from 0.5-1.0 mm fraction: 1 forsterite versus epidote candidate = 1 Al2Si (possibly topaz).
38	99-M-46	SEM check from 0.25-0.5 mm fraction: 1 pale yellow forsterite versus diopside candidate = 1 epidote.
39	99-M-47	SEM checks from 0.25-0.5 mm fraction: 3 CR candidates = 2 CR and 1 crustal ilmenite.
40	99-M-48	SEM check from 0.5-1.0 mm fraction: 1 pale yellow forsterite versus epidote candidate = 1 forsterite. SEM check from 0.25-0.5 mm fraction: 1 pale green forsterite versus diopside candidate = 1 diopside.
41	99-M-49	No KIM remarks.

Process Order	Sample Site	Remarks
42	99-M-50	No KIM remarks.
43	99-M-51	SEM checks from 0.5-1.0 mm fraction: 2 IM versus crustal ilmenite candidates = 2 IM.
44	99-M-52	No KIM remarks.
45	99-M-53	SEM check from 0.5-1.0 mm fraction: 1 IM versus crustal ilmenite candidate = 1 IM. SEM check from 0.25-0.5 mm fraction: 1 CR versus IM candidate = 1 CR (~5 wt% ZnO).
46	99-M-54	No KIM remarks.
47	99-M-55	No KIM remarks.
48	99-M-56	No KIM remarks.
49	99-M-57	No KIM remarks.
50	99-M-59	No KIM remarks.
51	99-M-63	SEM checks from 0.5-1.0 mm fraction: 1 IM versus crustal ilmenite candidate = 1 crustal ilmenite; and 1 forsterite olivine versus epidote candidate = 1 forsterite olivine.
52	99-M-64	No KIM remarks.
53	99-M-65	No KIM remarks.
54	99-M-66	SEM check from 0.25-0.5 mm fraction: 1 rounded GP versus ruby corundum candidate = 1 almandine.
55	99-M-67	No KIM remarks.
56	99-M-68	No KIM remarks.
57	99-M-69	No KIM remarks.
58	99-M-70	No KIM remarks.
59	99-M-71	SEM check from 0.5-1.0 mm fraction: 1 GO versus almandine candidate = 1 GO (Cr-poor megacryst). SEM check from 0.25-0.5 mm fraction: 1 CR versus IM candidate = 1 CR.
60	99-M-73	No KIM remarks.
61	99-M-74	No KIM remarks.
62	99-M-75	No KIM remarks.
63	99-M-76	No KIM remarks.
64	99-M-77	No KIM remarks.
65	99-M-78	No KIM remarks.
66	99-M-79	No KIM remarks.
67	99-M-80	SEM check from 0.5-1.0 mm fraction: 1 IM versus crustal ilmenite candidate = 1 IM.
68	99-M-81	SEM check from 0.5-1.0 mm fraction: 1 IM versus crustal ilmenite candidate = 1 crustal ilmenite.
69	99-M-82	No KIM remarks.
70	99-M-83	SEM checks from 0.5-1.0 mm fraction: 1 IM versus crustal ilmenite candidate = 1 IM; and 1 CR versus crustal ilmenite candidate = 1 crustal ilmenite.
71	99-M-84	No KIM remarks.
72	99-M-85	No KIM remarks.
73	99-M-86	No KIM remarks.
74	99-M-87	SEM check from 0.5-1.0 mm fraction: 1 forsterite olivine versus epidote candidate = 1 epidote.
75	99-M-89	No KIM remarks.
76	99-M-90	No KIM remarks.
77	99-M-91	No KIM remarks.
78	99-M-93	No KIM remarks.
79	99-M-94	No KIM remarks.
80	99-M-95	No KIM remarks.
81	99-M-97	No KIM remarks.
82	99-M-98	SEM check from 0.5-1.0 mm fraction: 1 forsterite olivine versus epidote candidate = 1 forsterite olivine. SEM checks from 0.25-0.5 mm fraction: 2 CR versus crustal ilmenite candidates = 1 CR and 1 crustal ilmenite.
83	99-M-100	SEM check from 0.25-0.5 mm fraction: 1 CR versus crustal ilmenite candidate = 1 crustal ilmenite.
84	99-M-101	SEM checks from 0.25-0.5 mm fraction: 2 IM versus crustal ilmenite candidates = 1 CR and 1 crustal ilmenite; and 1 forsterite olivine versus epidote candidate = 1 epidote.
85	99-M-102	No KIM remarks.

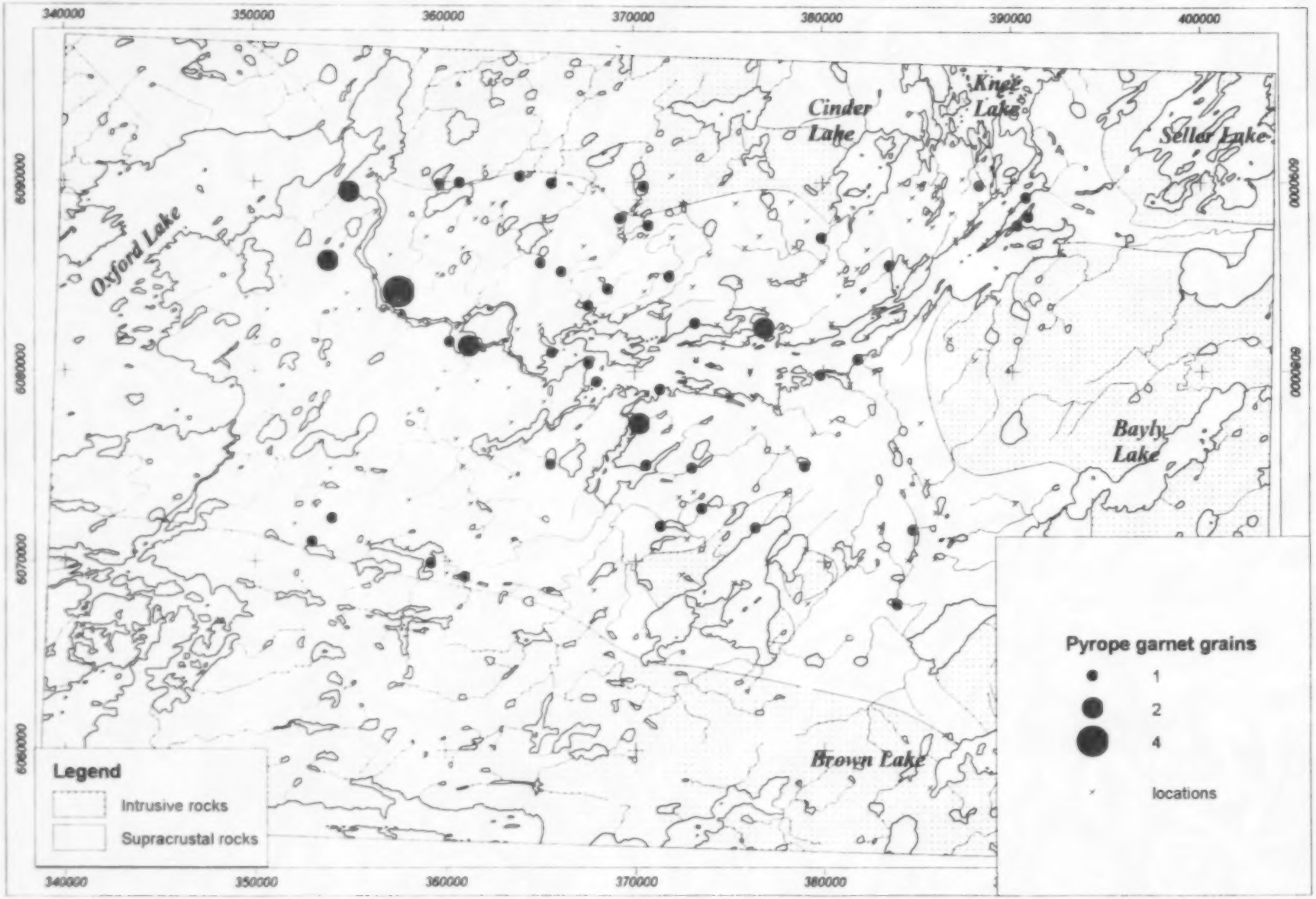
Process Order	Sample Site	Remarks
86	99-M-104	No KIM remarks.
87	99-M-105	No KIM remarks.
88	99-M-106	SEM check from 0.5-1.0 mm fraction: 1 CR versus IM candidate = 1 IM.
89	99-M-107	No KIM remarks.
90	99-M-108	SEM check from 0.25-0.5 mm fraction: 1 CR versus crustal ilmenite candidate = 1 crustal ilmenite.
91	99-M-109	No KIM remarks.
92	99-M-111	No KIM remarks.
93	99-M-112	SEM checks from 0.5-1.0 mm fraction: 2 forsterite olivine versus epidote candidates = 1 forsterite olivine and 1 epidote. SEM check from 0.25-0.5 mm fraction: 1 GP versus ruby corundum candidate = 1 GP.
94	99-M-113	No KIM remarks.
95	99-M-114	No KIM remarks.
96	99-M-115	No KIM remarks.
97	99-M-116	No KIM remarks.
98	99-M-118	SEM check from 0.5-1.0 mm fraction: 1 CR versus crustal ilmenite candidate = 1 crustal ilmenite.
99	99-M-121	No KIM remarks.
100	99-M-123	No KIM remarks.
101	99-M-124	No KIM remarks.
102	99-M-125	No KIM remarks.
103	99-M-126	No KIM remarks.
104	99-M-127	No KIM remarks.
105	99-M-129	No KIM remarks.
106	99-M-131	No KIM remarks.
107	99-M-134	SEM checks from 0.5-1.0 mm fraction: 2 CR versus crustal ilmenite candidates = 1 CR and 1 crustal ilmenite.
108	99-M-135	No KIM remarks.
109	99-M-136	SEM check from 0.25-0.5 mm fraction: 1 GP versus ruby corundum candidate = 1 ruby corundum (picked as MMSIM).
110	99-M-139	No KIM remarks.
111	99-M-140	SEM check from 0.5-1.0 mm fraction: 1 IM versus crustal ilmenite candidate = 1 IM.
112	99-M-142	No KIM remarks.
113	99-M-145	No KIM remarks.
114	99-M-146	SEM check from 1.0-2.0 mm fraction: 1 C
115	99-M-147	No KIM remarks.
116	99-M-148	No KIM remarks.
117	99-M-149	No KIM remarks.
118	99-M-150	No KIM remarks.
119	99-M-151	No KIM remarks.
120	99-M-152	No KIM remarks.
121	99-M-154	No KIM remarks.
122	99-M-155	No KIM remarks.
123	99-M-156	No KIM remarks.
124	99-M-157	No KIM remarks.
125	99-M-201	No KIM remarks.
126	99-M-202	SEM check from 0.5-1.0 mm fraction: 1 CR versus IM candidate = 1 IM.
127	99-M-203	No KIM remarks.
128	99-M-204	No KIM remarks.
129	99-M-205	No KIM remarks.
130	99-M-206	No KIM remarks.
131	99-M-207	No KIM remarks.
132	99-M-208	No KIM remarks.
133	99-M-209	No KIM remarks.
134	99-M-210	No KIM remarks.

Process Order	Sample Site	Remarks
135	99-M-211	No KIM remarks.
136	99-M-212	No KIM remarks.
137	99-M-213	No KIM remarks.
138	99-M-214	No KIM remarks.
139	99-M-215	No KIM remarks.
140	99-M-217	No KIM remarks.
141	99-M-218	No KIM remarks.
142	99-M-219	No KIM remarks.
143	99-M-220	No KIM remarks.
144	99-M-221	No KIM remarks.
145	99-M-223	SEM check from 0.5-1.0 mm fraction: 1 CR versus tourmaline candidate = 1 tourmaline.
146	99-M-224	No KIM remarks.
147	99-M-225	No KIM remarks.
148	99-M-226	No KIM remarks.
149	99-M-227	No KIM remarks.
150	99-M-228	No KIM remarks.
151	99-M-229	No KIM remarks.
152	99-M-230	No KIM remarks.
153	99-M-233	No KIM remarks.
154	99-M-234	No KIM remarks.
155	99-M-235	No KIM remarks.
156	99-M-236	No KIM remarks.
157	99-M-237	No KIM remarks.
158	99-M-238	No KIM remarks.
159	99-M-239	No KIM remarks.
160	99-M-240	No KIM remarks.
161	99-M-241	No KIM remarks.
162	99-M-242	No KIM remarks.
163	99-M-243	No KIM remarks.
164	99-M-245	No KIM remarks.
164	99-M-245	No KIM remarks.
165	99-M-246	No KIM remarks.
166	99-M-248	No KIM remarks.
167	99-M-249	No KIM remarks.
168	99-M-250	No KIM remarks.
169	99-M-251	No KIM remarks.
170	99-M-252	SEM check from 0.
171	99-M-253	SEM check from 1.0-2.0 mm fraction: 1 IM versus crustal ilmenite candidate = 1 IM. SEM check from 0.5-1.0 mm fraction: 1 IM versus crustal ilmenite candidate = 1 crustal ilmenite.
172	99-M-257	SEM check from 0.5-1.0 mm fraction: 1 CR versus crustal ilmenite candidate = 1 CR.
173	99-M-259	No KIM remarks.
174	99-M-260	No KIM remarks.
175	99-M-261	No KIM remarks.
176	99-M-262	No KIM remarks.
177	99-M-263	No KIM remarks.
178	99-M-264	No KIM remarks.
179	99-M-265	No KIM remarks.
180	99-M-266	No KIM remarks.
181	99-M-267	No KIM remarks.
182	99-M-268	No KIM remarks.

Process Order	Sample Site	Remarks
183	99-M-269	No KIM remarks.
184	99-M-271	No KIM remarks.
185	99-M-272	No KIM remarks.
186	99-M-273	No KIM remarks.
187	99-M-274	No KIM remarks.
188	99-M-275	No KIM remarks.
189	99-M-276	No KIM remarks.
190	99-M-277	No KIM remarks.
191	99-M-278	No KIM remarks.
192	99-M-279	No KIM remarks.
193	99-M-280	No KIM remarks.
194	99-M-281	No KIM remarks.
195	99-M-282	No KIM remarks.
196	99-M-284	SEM check from 0.5-1.0 mm fraction: 1 CR versus crustal ilmenite candidate = 1 andradite.
197	99-M-286	No KIM remarks.
198	99-M-287	No KIM remarks.
199	99-M-288	SEM check from 0.5-1.0 mm fraction: 1 forsterite olivine versus epidote candidate = 1 forsterite olivine.
200	99-M-289	No KIM remarks.
201	99-M-290	No KIM remarks.
202	99-M-291	No KIM remarks.
203	99-M-292	SEM check from 0.5-1.0 mm fraction: 1 IM versus crustal ilmenite candidate = 1 IM.
204	99-M-293	No KIM remarks.
205	99-M-294	SEM checks from 0.25-0.5 mm fraction: 3 IM versus crustal ilmenite candidates = 1 IM and 2 crustal ilmenite.
206	99-M-295	No KIM remarks.
207	99-M-296	No KIM remarks.
208	99-M-297	No KIM remarks.
209	99-M-298	SEM check from 0.25-0.5 mm fraction: 1 forsterite olivine versus diopside candidate = 1 diopside.
210	99-M-300	No KIM remarks.
211	99-M-301	No KIM remarks.
212	99-M-302	No KIM remarks.
213	99-M-303	No KIM remarks.
214	99-M-304	SEM check from 0.5-1.0 mm fraction: 1 IM versus crustal ilmenite candidate = 1 crustal ilmenite.
215	99-M-305	SEM check from 0.5-1.0 mm fraction: 1 IM versus crustal ilmenite candidate = 1 crustal ilmenite.
216	99-M-306	SEM checks from 0.25-0.5 mm fraction: 5 CR versus crustal ilmenite candidates = 1 CR, 3 crustal ilmenite and 1 hornblende.
217	99-M-307	No KIM remarks.
218	99-M-308	SEM checks from 0.25-0.5 mm fraction: 3 CR versus crustal ilmenite candidates = 3 CR.
219	99-M-309	No KIM remarks.
220	99-M-310	No KIM remarks.
221	99-M-311	No KIM remarks.
222	99-M-312	No KIM remarks.
223	99-M-313	No KIM remarks.
224	99-M-314	No KIM remarks.
225	99-M-315	No KIM remarks.
226	99-M-316	SEM check from 0.5-1.0 mm fraction: 1 IM versus crustal ilmenite candidate = 1 crustal ilmenite.
227	99-M-317	SEM check from 0.25-0.5 mm fraction: 1 rounded second-cycle GP versus almandine candidate = 1 GP.
228	99-M-319	Lost one of four IM from 0.25-0.5 mm fraction.
229	99-M-320	No KIM remarks.
230	99-M-324	No KIM remarks.
231	99-M-326	No KIM remarks.
232	99-M-327	SEM check from 0.25-0.5 mm fraction: 1 CR versus IM candidate = 1 CR.

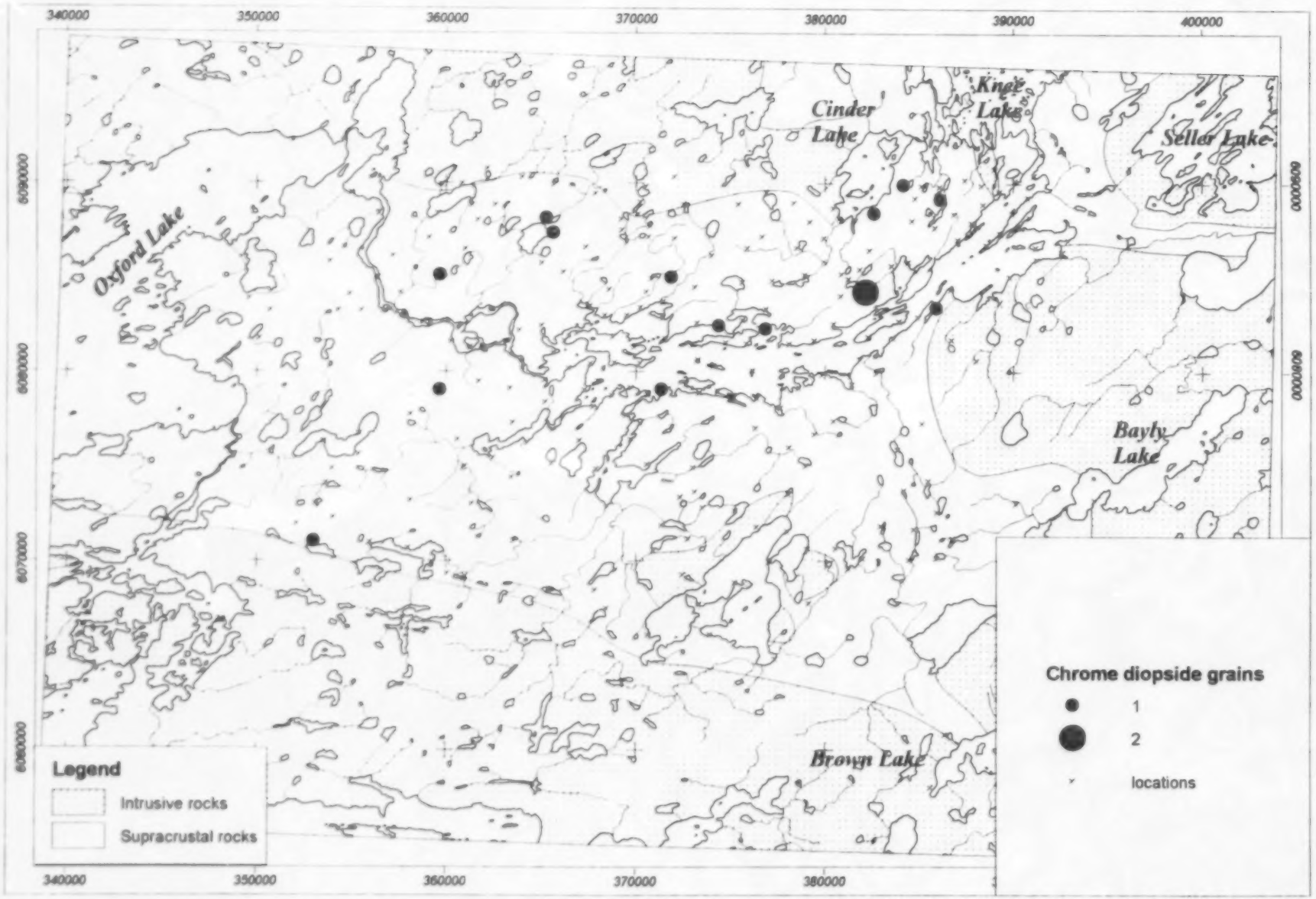
Process Order	Sample Site	Remarks
233	99-M-329	No KIM remarks.
234	99-M-330	No KIM remarks.
235	99-M-331	No KIM remarks.
236	99-M-332	No KIM remarks.
237	99-M-334	SEM checks from 0.25-0.5 mm fraction: 2 IM versus CR candidates = 1 CR and 1 crustal ilmenite.
238	99-M-335	SEM check from 0.5-1.0 mm fraction: 1 IM versus crustal ilmenite candidate = 1 crustal ilmenite.
239	99-M-338	No KIM remarks.
240	99-M-339	No KIM remarks.
241	99-M-341	No KIM remarks.
242	99-M-342	No KIM remarks.
243	99-M-343	SEM check from 0.25-0.5 mm fraction: 1 GO versus almandine candidate = 1 GO (pyrope-almandine).
244	99-M-344	No KIM remarks.
245	99-M-345	No KIM remarks.
246	99-M-346	No KIM remarks.
247	99-M-347	SEM check from 0.5-1.0 mm fraction: 1 IM versus CR candidate = 1 CR.
248	99-M-349	No KIM remarks.
249	99-M-350	No KIM remarks.
250	99-M-351	No KIM remarks.

Grain Count Bubble Plots For Kimberlite Indicator Minerals.



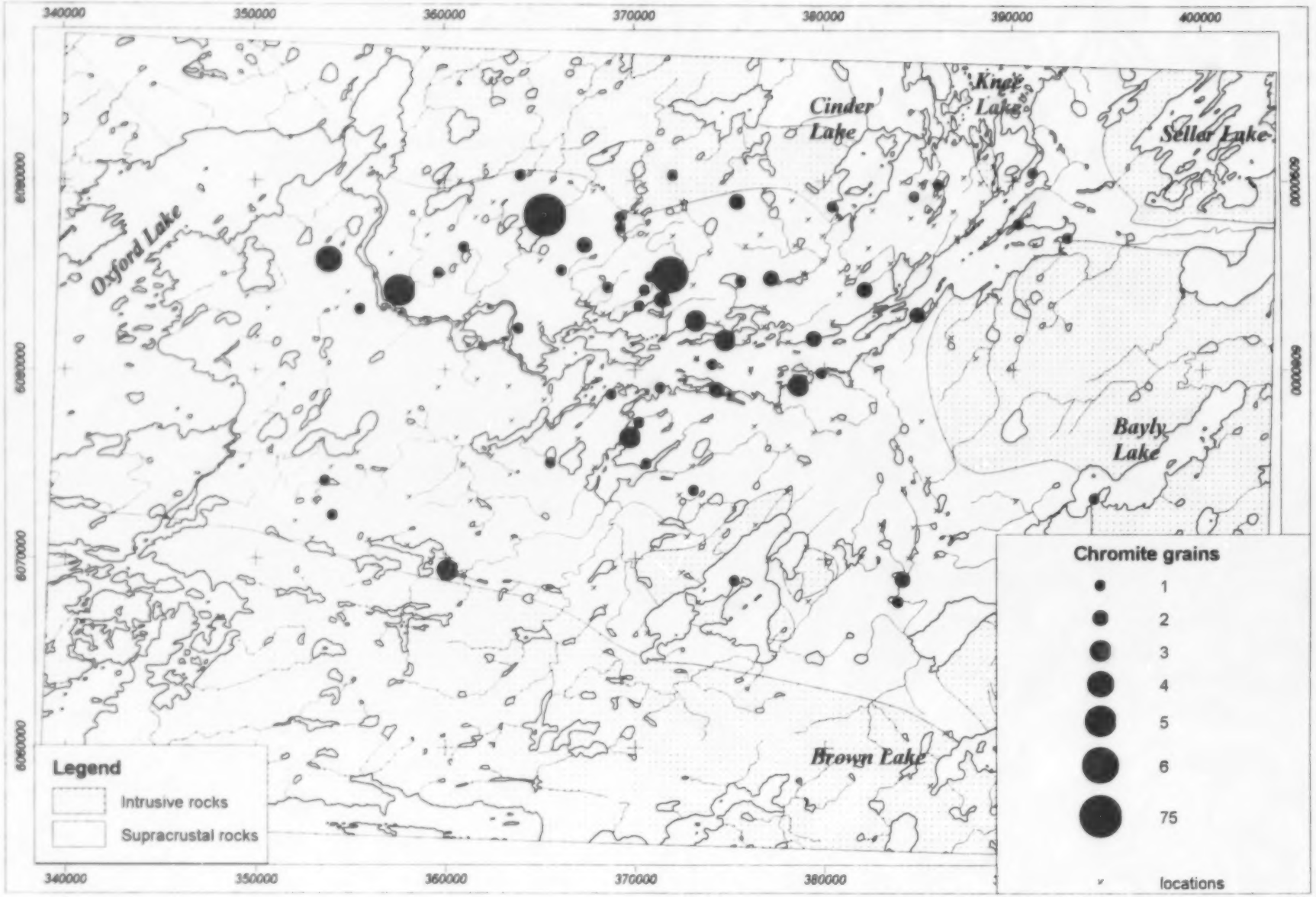
Kimberlite Indicator Minerals grain counts (Overburden Drilling Management Ltd.) - 100 samples

Appendix KO-4-1



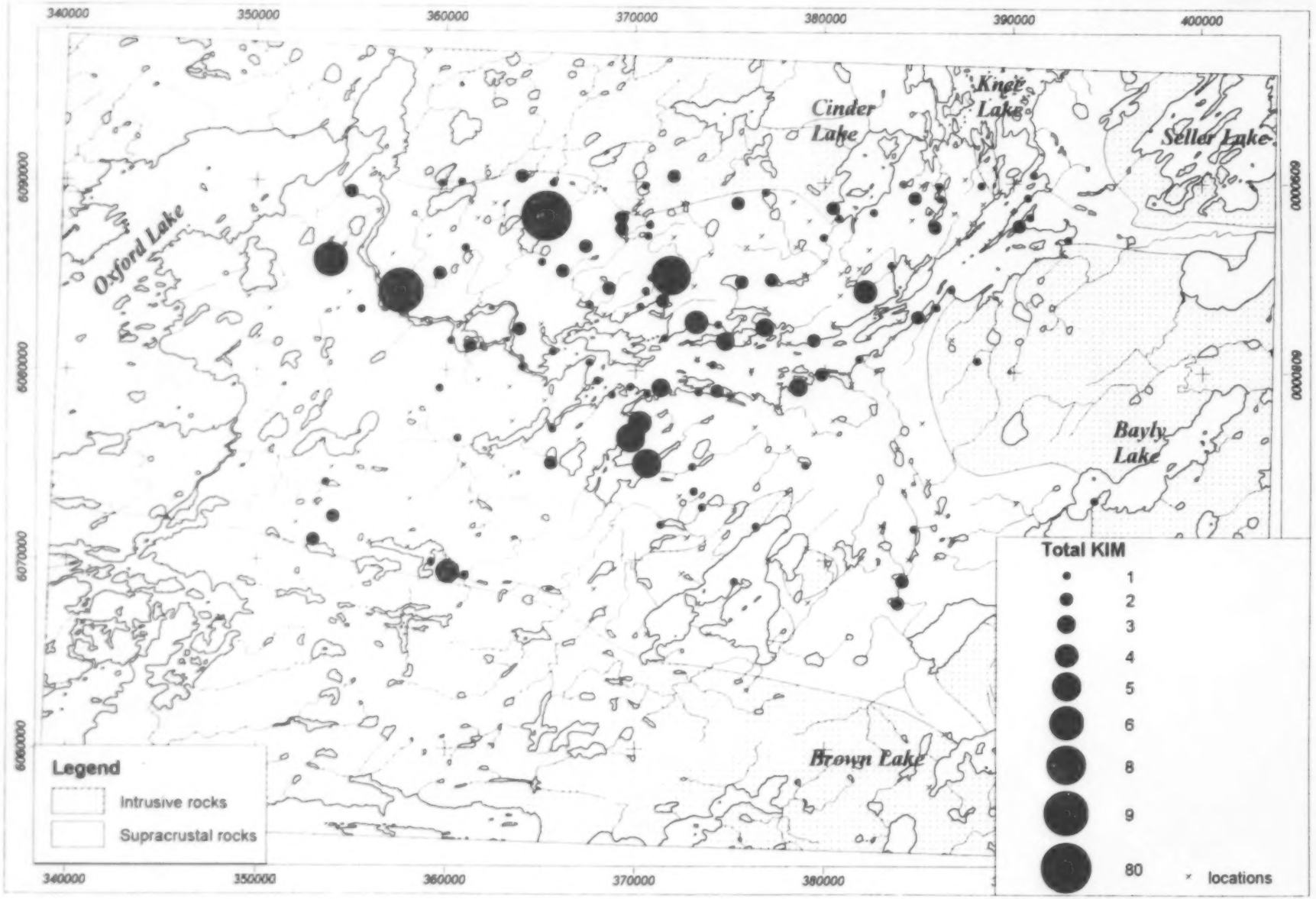
Kimberlite Indicator Minerals grain counts (Overburden Drilling Management Ltd.) - 100 samples

Appendix KO-4-2



Kimberlite Indicator Minerals grain counts (Overburden Drilling Management Ltd.) - 100 samples

Appendix KO-4-3

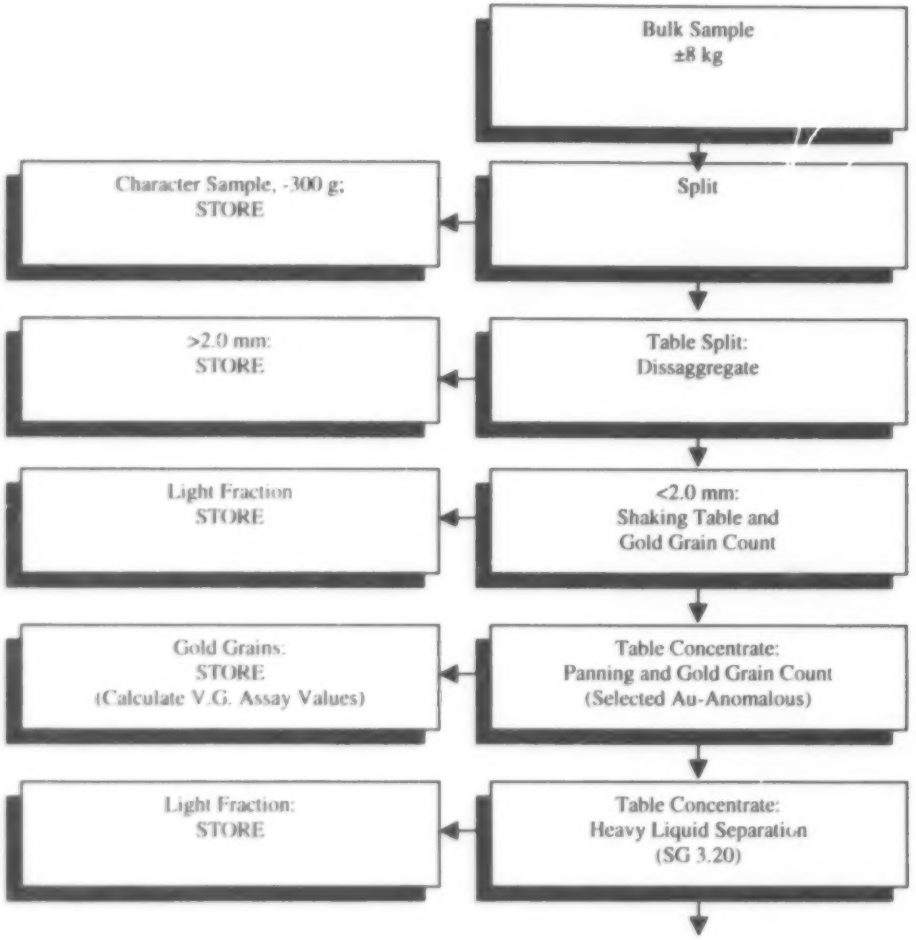


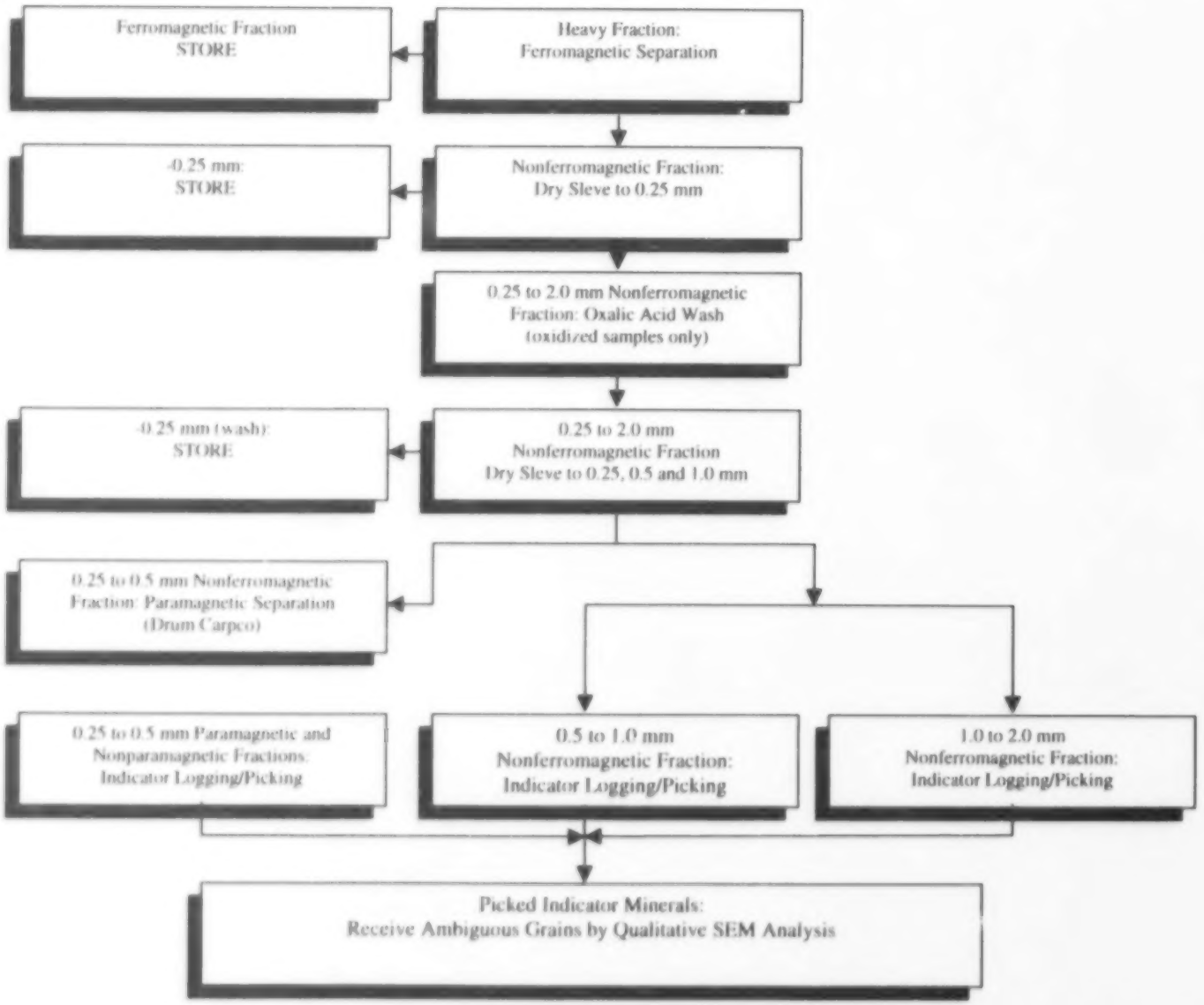
Kimberlite Indicator Minerals grain counts (Overburden Drilling Management Ltd.) - 100 samples

Appendix KO-4-4

Appendix KO-5 Flow Chart for Sample Preparation

Overburden Drilling Management Limited





Standard Bulk Sample Heavy Mineral Processing Flow Sheet for MMSIMs Visible Gold

METAMORPHOSED MASSIVE SULPHIDE AND MAGMATIC SULPHIDE INDICATOR MINERAL SURVEY (OVERBURDEN DRILLING MANAGEMENT LTD.)

Results

Overall grain abundances recovered from the 1999 survey samples are low with the most abundant mineral observed being pyrite. Distinctive glacial dispersion trains are not observed in the data, however, sulphide mineral abundances appear to correlate to some of the known mineral occurrences in this part of the Knee Lake Belt. Relevant data from the MMSIM survey is presented in Appendix M-5 (Descriptions of MMSIMs) and percentile bubble plots in Appendix M-6.

Kyanite

Kyanite grain abundances vary from trace (0.1 weight %) to 7 weight % across the survey area but are distributed in an erratic manner. Dispersal trains are not recognized although two 98th percentile responses at sites 21 and 33 could be reflecting the presence of massive sulphide-type mineralization hosted by felsic volcanic rocks east of Cinder Lake. A single 100th percentile occurs at site 305 and a cluster of 98th percentiles occurs along the southern shore of Knee Lake. The western portion of the survey area is marked by widely separated and apparently unrelated 98th and 100th percentile responses.

Staurolite

The distribution of staurolite grains in the 1999 survey samples bears little resemblance to the results for kyanite and grain abundances are low with a range of trace (0.1 weight %) to 2.5 weight % (100th percentile). A cluster of very low grain abundances occurs over the location of massive sulphide mineralization east of Cinder Lake but is interpreted to be non-diagnostic. There are three 100th percentile responses in the survey area at sites 74 (west end of Knee Lake), 142 (south of the Hayes River and west of Knee Lake) and 83 (north of the northern margin of the belt and west of Cinder Lake).

Chromite

Chromite grain abundances are low across the survey area. The 100th percentiles occur at sites 63 (dark green, medium grained gabbro), 139 (no outcrop) and 104 (light green, silicified and rusty weathering basalt with 5% pyrite). Site 104 has been identified previously as anomalous with regards to chrome spinel content and this suggests the possibility of localized bedrock signatures in these data.

Orthopyroxene

Orthopyroxene abundances in this year's samples range from trace (0.1 weight %) to 12 weight % (100th percentile) and appear to be highest in the west end of the survey area. The western portion of the survey area is characterized by one 100th percentile response (site 140; no outcrop) and three 99th percentiles (sites 135, 136 and 142, all in areas of no outcrop). In as much as orthopyroxene is used as an indicator of magmatic Ni-Cu deposits these areas of relatively high abundances reflecting elevated Mg (orthopyroxene = $(Mg, Fe)_2Si_2O_6$) should be reconnoitered by ground follow-up utilizing geological mapping, geophysics and prospecting. The possibility remains that these somewhat elevated signatures have a locally derived mineralogical component.

Chalcopyrite

Chalcopyrite grain abundances are very low in this year's samples from the southern half of the Knee Lake greenstone belt. Three widely scattered 100th percentile responses are documented from sites 104 (light green, silicified and rusty weathering basalt with 5% pyrite), 235 (southern margin of the belt) and 350 (near the eastern extremity of the Magill Lake intrusion). Site 104 has been previously identified for its anomalous chrome spinel signature. Two low chalcopyrite grain abundances are noted at sites 16 and 18 over a unit of felsic volcanic rocks that hosts massive sulphide-type mineralization characterized by low base metal contents. These signatures are considered to be non-diagnostic.

Pyrite

Pyrite is the most abundant MMSIM documented in 1999 survey samples. The 100th percentile responses (>90 grains) are documented from site 100 near the northern margin of the belt (no outcrop), site 221 (west of the west end of Knee Lake along the Hayes River, and site 259 south of the west end of Knee Lake. The western end of Knee Lake is marked by 98th and 99th percentile responses at sites 250 and 209, respectively. A 99th percentile occurs near the southern margin of the belt at site 264. There is no indication of the massive sulphide-type mineralization that occurs east of Cinder Lake in the pyrite data. A cluster of 90th percentile responses occurs along the Southern Knee Lake Shear Zone (SKSZ) and on the northern shore of west Knee Lake. There is no correlation between sites with anomalous pyrite grains and gold grains.

Discussion

The abundances of MMSIMs identified in till samples are uniformly low with the exception of pyrite where 100th percentiles of >90 grains are documented at several sites. Since pyrite can be considered a more or less ubiquitous mineral in volcanosedimentary belts abundant pyrite in tills is not necessarily an important indicator of proximity to potentially economically significant mineralization. Many studies reported in the literature note the ability of pyrite to contain elevated base and precious metal contents particularly when the pyrite is associated with base and precious metal deposits. As a follow-up to the pyrite grain abundance studies a program of analysis of pyrite concentrates should be undertaken.

The very low abundances of MMSIMs in this study re-iterates the problem of dilution of till mineralogical and geochemical signatures by Hudson Bay Lowland carbonate. This limitation on till surveys has been evident since the inception of Operation Superior. Tills in the Operation Superior survey area typically contain 40-50% carbonate and accordingly any mineralogical or geochemical indication of significant mineralization or unique lithologies (kimberlite) is likely to be subdued. Till geochemistry as applied in Operation Superior with documented geochemical dispersion fans from this year's study (see Till Geochemical Survey) appears to be a more useful guide to base metal mineralization.

A fundamental geological reason for low abundances of MMSIM aluminosilicate alteration minerals in the Knee Lake survey area is the metamorphic grade of the belt. The Hayes River Group and the 'volcanic' subgroup of the Oxford Lake Group are characterized by lower to middle greenschist facies metamorphic mineral assemblages and as such are not considered 'high grade' metamorphic rocks. The corollary is that alteration zones accompanying massive sulphide-type deposits in the Knee Lake area will not be characterized by MMSIM mineralogical assemblages that include kyanite, staurolite and sillimanite.

Metamorphosed Massive Sulphide and Magmatic Sulphide Minerals

				Mg/Mn/Al/Cr Minerals				
				0.25-0.5 mm				
				>1 amp				
Process Order	Sample Site	UTM Easting	UTM Northing	Kyanite %	Sillimanite %	Rutile %	# Grains + Colour Spinel	Other
1	99-M-2	379928.11	6087059.58	0.5	0	Tr (3 gr)	0	Tr low-Cr diopside (1 gr)
2	99-M-3	380864.52	6085155.70	3.0	0	Tr (2 gr)	0	0
3	99-M-4	385575.87	6057998.38	1.0	Tr	0	1 blue-green gahnite	0
4	99-M-5	386340.97	6060776.00	2.0	0	0	0	0
5	99-M-7	380012.55	6085720.22	5.0	0	Tr (1 gr)	0	Tr Mn-epidote (1 gr)
6	99-M-8	381843.70	6085393.08	2.0	0	0	0	Tr low-Cr diopside (1 gr)
7	99-M-9	381226.37	6084881.63	1.0	Tr	0	0	Tr low-Cr diopside (2 gr)
8	99-M-10	380814.98	6083990.92	4.0	0	0	0	0
9	99-M-11	382124.73	6084199.82	3.0	0	0	0	Tr low-Cr diopside (1 gr)
10	99-M-12	384139.45	6089907.45	3.0	0	0	0	0
11	99-M-13	385120.09	6089836.36	3.0	0	Tr (1 gr)	1 blue	Tr low-Cr diopside (1 gr)
12	99-M-14	386060.67	6089790.62	3.0	Tr	Tr (1 gr)	1 blue-green gahnite, 1 pink spinel	0
13	99-M-15	385609.68	6088356.80	2.0	Tr	0	2 pale blue-green	Tr Mn-epidote (1 gr), Tr ruby corundum (1 gr)
14	99-M-16	386107.09	6089134.20	1.0	0	0	2 blue	Tr sapphirine (5 gr)
15	99-M-17	386831.55	6088342.61	4.0	0	0	0	Tr sapphirine (1 gr)
16	99-M-18	384402.98	6085799.86	4.0	0	Tr (2 gr)	1 grey	0
17	99-M-19	383518.94	6085591.65	3.0	0	0	0	Tr low-Cr diopside (1 gr)
18	99-M-21	384823.47	6085301.09	7.0	Tr	0	1 dark blue	0
19	99-M-25	390069.10	6090107.94	2.0	0	0	0	Tr low-Cr diopside (1 gr)
20	99-M-26	389273.35	6089551.83	1.0	0	Tr (1 gr)	0	0
21	99-M-27	388381.58	6088845.50	3.0	0	0	0	Tr Mn-epidote (1 gr), Tr low-Cr diopside (1 gr)
22	99-M-28	391096.14	6090415.34	2.0	0	0	3 colourless, 1 pink	0
23	99-M-29	390765.20	6089215.18	0.5	0	0	0	0
24	99-M-30	389922.08	6088381.30	2.0	0	0	0	Tr Mn-epidote (2 gr), Tr leucosapphire corundum (1 gr)
25	99-M-31	387776.64	6087871.04	1.0	Tr	0	0	0
26	99-M-32	389281.25	6087309.72	4.0	0	0	0	0

Process Order	Sample Site	UTM Easting	UTM Northing	Mg/Mn/Al/Cr Minerals 0.25-0.5 mm >1 amp Kyanite %	Sillimanite %	Rutile %	# Grains + Colour Spinel	Other
27	99-M-33	387035.08	6086978.20	7.0	0	0	1 blue-green gahnite	0
28	99-M-34	388567.46	6086677.37	5.0	0	0	0	Tr andalusite (1 gr)
29	99-M-35	390865.79	6088176.15	4.0	0	0	0	0
30	99-M-36	390299.61	6087715.51	4.0	Tr	0	0	0
31	99-M-39	392898.97	6086971.53	3.0	0	0	1 pale blue	0
32	99-M-40	392559.91	6086340.04	3.0	0	0	0	0
33	99-M-41	391167.56	6086589.75	3.0	Tr	0	0	0
34	99-M-42	391238.39	6085940.29	4.0	0	0	0	Tr ruby corundum (1 gr)
35	99-M-43	389804.68	6084999.49	3.0	0	Tr (1 gr)	2 blue, purple	0
36	99-M-44	389261.00	6083667.72	3.0	0	0	2 colourless	0
37	99-M-45	386653.33	6084343.11	4.0	0	0	1 pale blue	0
38	99-M-46	385883.41	6083393.71	4.0	0	0	1 pale blue	0
39	99-M-47	384919.22	6082875.51	3.0	0	Tr (1 gr)	1 colourless	0
40	99-M-48	383904.64	6082648.05	2.0	0	0	1 purple	0
41	99-M-49	388981.01	6090705.90	3.0	0	0	0	0
42	99-M-50	387427.39	6090166.15	2.0	0	Tr (2 gr)	1 grey	0
43	99-M-51	385816.88	6087616.81	2.0	0	0	2 pale blue	0
44	99-M-52	382575.20	6088407.01	1.0	Tr	0	0	Tr low-Cr diopside (1 gr)
45	99-M-53	381611.17	6087984.39	2.0	0	Tr (1 gr)	1 colourless	Tr low-Cr diopside (1 gr)
46	99-M-54	380446.70	6088630.40	1.0	0	0	0	0
47	99-M-55	384763.43	6089168.41	3.0	0	Tr (2 gr)	1 pale blue	0
48	99-M-56	384593.57	6087985.36	2.0	0	Tr (3 gr)	0	Tr Mn-epidote (1 gr), Tr low-Cr diopside (1 gr)
49	99-M-57	380747.02	6088073.86	4.0	0	Tr (1 gr)	1 blue-green gahnite, 1 grey spinel	Tr low-Cr diopside (1 gr)
50	99-M-59	376870.52	6089445.37	2.0	0	0	1 pale pink	Tr low-Cr diopside (1 gr)
51	99-M-63	371851.38	6084985.15	2.0	0	Tr (5 gr)	0	Tr ruby corundum (1 gr)
52	99-M-64	370818.75	6084894.62	1.0	0	0	0	Tr sapphire corundum (1 gr)
53	99-M-65	371421.23	6083690.52	Tr	0	Tr (2 gr)	1 green gahnite	Tr low-Cr diopside (1 gr)
54	99-M-66	370239.75	6083375.40	1.0	0	0	2 pale pink, pale grey	Tr low-Cr diopside (2 gr)
55	99-M-67	369512.90	6082951.85	2.0	0	Tr (1 gr)	0	0
56	99-M-68	378482.32	6086547.36	2.0	0	Tr (2 gr)	0	0
57	99-M-69	378901.57	6085104.21	1.0	0	0	1 grey-blue	0
58	99-M-70	377176.25	6084802.55	Tr	0	Tr (2 gr)	0	0

				Mg/Mn/Al/Cr Minerals				
				0.25-0.5 mm				
				>1 amp				
Process Order	Sample Site	UTM Easting	UTM Northing	Kyanite %	Sillimanite %	Rutile %	# Grains + Colour Spinel	Other
59	99-M-71	375594.28	6084702.04	2.0	0	Tr (4 gr)	1 green gahnite	0
60	99-M-73	370656.16	6087109.32	2.0	0	Tr (3 gr)	1 green gahnite, 2 pale blue, colourless spinel	Tr low-Cr diopside (1 gr)
61	99-M-74	368347.58	6082970.14	2.0	Tr	Tr (2 gr)	1 pale blue	0
62	99-M-75	367566.14	6083452.59	5.0	0	Tr (2 gr)	0	0
63	99-M-76	366875.73	6082011.38	2.0	0	Tr (1 gr)	1 colourless	Tr Mn-epidote (1 gr), Tr low-Cr diopside (2 gr)
64	99-M-77	366237.10	6081599.59	5.0	0	Tr (1 gr)	0	Tr low-Cr diopside (2 gr)
65	99-M-78	368777.48	6081793.37	3.0	0	Tr (2 gr)	0	Tr ruby corundum (1 gr)
66	99-M-79	369918.79	6081283.90	2.0	0	0	0	Tr low-Cr diopside (1 gr)
67	99-M-80	371536.33	6081711.47	2.0	Tr	Tr (1 gr)	1 pale purple	Tr low-Cr diopside (1 gr)
68	99-M-81	370746.10	6087688.00	2.0	0	Tr (3 gr)	2 pale blue, colourless	Tr low-Cr diopside (2 gr)
69	99-M-82	372516.50	6088851.06	0.5	0	Tr (5 gr)	0	Tr low-Cr diopside (2 gr)
70	99-M-83	372026.99	6090288.56	1.0	0	Tr (3 gr)	1 dark green gahnite, 1 blue-green spinel	Tr Mn-epidote (2 gr), Tr sapphirine (1 gr), Tr low-Cr diopside (4 gr)
71	99-M-84	370517.90	6089778.24	3.0	0	Tr (1 gr)	1 pale blue	0
72	99-M-85	370224.45	6088963.94	3.0	0	0	0	0
73	99-M-86	370086.72	6088310.03	0.5	0	Tr (2 gr)	2 dark green gahnite, 3 pale green, blue, grey spinel	Tr low-Cr diopside (2 gr)
74	99-M-87	365628.38	6087349.81	3.0	0	Tr (3 gr)	2 blue, blue-green	Tr low-Cr diopside (1 gr)
75	99-M-89	359762.87	6089860.45	2.0	0	0	1 pale purple	Tr ruby corundum (1 gr), Tr low-Cr diopside (3 gr)
76	99-M-90	360419.16	6090713.89	2.0	0	0	1 pale green	0
77	99-M-91	367854.62	6089411.77	3.0	0	0	1 colourless	Tr low-Cr diopside (1 gr)
78	99-M-93	360817.18	6089935.46	2.0	0	Tr (3 gr)	1 dark green gahnite, 3 pale blue, blue-green colourless spinel	Tr Cr-andradite (1 gr), Tr low-Cr diopside (2 gr)
79	99-M-94	361334.61	6088793.40	4.0	0	Tr (1 gr)	0	Tr ruby corundum (1 gr)
80	99-M-95	359548.28	6088342.12	5.0	0	Tr (2 gr)	1 blue-green	Tr low-Cr diopside (1 gr)
81	99-M-97	361670.11	6088011.47	5.0	0	Tr (3 gr)	2 blue-grey	Tr low-Cr diopside (1 gr)
82	99-M-98	360997.64	6086474.25	3.0	0	Tr (7 gr)	0	0
83	99-M-100	365660.55	6089907.35	2.0	0	Tr (8 gr)	1 pale grey	Tr Mn-epidote (1 gr), Tr low-Cr diopside (3 gr)
84	99-M-101	364004.46	6090265.61	5.0	0	Tr (6 gr)	0	Tr ruby corundum (1 gr), Tr low-Cr diopside (7 gr)
85	99-M-102	365042.73	6085719.91	4.0	0	Tr (4 gr)	0	Tr low-Cr diopside (2 gr)
86	99-M-104	365252.32	6088140.42	2.0	0	Tr (1 gr)	0	Tr low-Cr diopside (2 gr)

Process Order	Sample Site	UTM Easting	UTM Northing	Mg/Mn/Al/Cr Minerals 0.25-0.5 mm >1 amp Kyanite %	Sillimanite %	Rutile %	# Grains + Colour Spinel	Other
87	99-M-105	369243.39	6088065.28	4.0	Tr	Tr (3 gr)	3 pale purple, pale green	Tr Mn-epidote (2 gr), Tr ruby corundum (1 gr), Tr low-Cr diopside (4 gr)
88	99-M-106	369259.00	6087478.80	4.0	0	Tr (3 gr)	1 pale blue	Tr low-Cr diopside (1 gr)
89	99-M-107	367342.33	6086563.25	5.0	Tr	Tr (3 gr)	0	Tr low-Cr diopside (2 gr)
90	99-M-108	366150.70	6085252.06	7.0	Tr	Tr (6 gr)	2 pale purple, pink	Tr low-Cr diopside (4 gr)
91	99-M-109	368585.13	6084340.09	3.0	0	Tr (1 gr)	0	Tr low-Cr diopside (1 gr)
92	99-M-111	371414.93	6082844.68	2.0	Tr	Tr (1 gr)	0	Tr Mn-epidote (1 gr), Tr low-Cr diopside (1 gr)
93	99-M-112	373206.39	6082560.89	3.0	0	Tr (11 gr)	2 green	Tr ruby corundum (1 gr), Tr andalusite (2 gr), Tr low-Cr diopside (6 gr)
94	99-M-113	374372.83	6082434.83	4.0	Tr	Tr (1 gr)	0	Tr low-Cr diopside (1 gr)
95	99-M-114	375612.85	6082701.79	5.0	Tr	0	0	Tr Mn-epidote (1 gr), Tr low-Cr diopside (2 gr)
96	99-M-115	376837.58	6083283.99	5.0	0	0	2 blue-green	Tr low-Cr diopside (2 gr)
97	99-M-116	376836.61	6082259.30	3.0	Tr	Tr (1 gr)	9 pale blue, blue-green, green, pale pink, colourless	Tr low-Cr diopside (3 gr)
98	99-M-118	380435.24	6082526.84	2.0	0	Tr (2 gr)	2 blue-green spinel	Tr low-Cr diopside (1 gr)
99	99-M-121	356420.52	6088346.81	4.0	0	Tr (2 gr)	3 dark green gahnite	0
100	99-M-123	357174.69	6086097.90	3.0	Tr	Tr (5 gr)	0	Tr Mn-epidote (1 gr)
101	99-M-124	362147.22	6090729.66	5.0	Tr	Tr (4 gr)	1 pale purple	Tr ruby corundum (2 gr), Tr low-Cr diopside (3 gr)
102	99-M-125	362574.30	6088793.60	5.0	Tr	Tr (5 gr)	1 green gahnite; 1 blue spinel	Tr low-Cr diopside (3 gr)
103	99-M-126	359632.73	6085112.70	5.0	0	Tr (4 gr)	3 blue, pale purple	Tr low-Cr diopside (3 gr)
104	99-M-127	359088.91	6087067.02	6.0	Tr	Tr (3 gr)	0	Tr Mn-epidote (1 gr), Tr low-Cr diopside (2 gr)
105	99-M-129	354975.32	6089429.73	3.0	0	Tr (6 gr)	2 green, blue	Tr low-Cr diopside (1 gr)
106	99-M-131	356359.18	6084946.56	7.0	0	Tr (3 gr)	1 grey	Tr Mn-epidote (1 gr), Tr low-Cr diopside (1 gr)
107	99-M-134	353845.36	6085793.03	7.0	Tr	Tr (5 gr)	3 blue, pale blue, pale grey	Tr low-Cr diopside (1 gr)
108	99-M-135	354883.31	6084079.64	2.0	0	Tr (4 gr)	1 blue-green	Tr low-Cr diopside (2 gr)
109	99-M-136	349567.90	6083833.12	8.0	Tr	Tr (4 gr)	0	Tr Mn-epidote (1 gr), Tr ruby corundum (1 gr), Tr low-Cr diopside (1 gr)

				Mg/Mn/Al/Cr Minerals				
				0.25-0.5 mm				
				>1 amp				
Process Order	Sample Site	UTM Easting	UTM Northing	Kyanite %	Sillimanite %	Rutile %	# Grains + Colour Spinel	Other
110	99-M-139	357564.78	6084160.24	2.0	Tr	Tr (6 gr)	1 blue-green	Tr Mn-epidote (1 gr), Tr low-Cr diopside (2 gr)
111	99-M-140	363864.01	6082169.82	4.0	0	Tr (2 gr)	0	Tr low-Cr diopside (1 gr)
112	99-M-142	361255.11	6081288.51	7.0	0	Tr (2 gr)	1 pale green	Tr low-Cr diopside (3 gr)
113	99-M-145	365012.13	6082425.90	1.0	0	Tr (1 gr)	0	Tr low-Cr diopside (1 gr)
114	99-M-146	388300.25	6089844.48	1.0	Tr	Tr (9 gr)	0	Tr Mn-epidote (1 gr), Tr low-Cr diopside (2 gr)
115	99-M-147	382347.59	6086399.71	6.0	0	Tr (7 gr)	0	Tr low-Cr diopside (2 gr)
116	99-M-148	373091.61	6084449.15	3.0	0	Tr (2 gr)	2 blue-green	Tr low-Cr diopside (1 gr)
117	99-M-149	370525.75	6084197.53	3.0	Tr	0	0	0
118	99-M-150	378340.48	6088920.71	2.0	Tr	Tr (1 gr)	0	0
119	99-M-151	379171.14	6087918.37	5.0	0	Tr (3 gr)	1 pale grey	Tr sapphirine (1 gr), Tr low-Cr diopside (4 gr)
120	99-M-152	375414.93	6088856.96	2.0	Tr	Tr (7 gr)	3 blue-green, colourless	0
121	99-M-154	376668.36	6087121.26	3.0	Tr	Tr (2 gr)	2 green colourless	Tr low-Cr diopside (2 gr)
122	99-M-155	375877.60	6086516.58	4.0	Tr	Tr (4 gr)	1 green	Tr low-Cr diopside (2 gr)
123	99-M-156	373995.52	6086125.05	2.0	Tr	Tr (3 gr)	0	Tr low-Cr diopside (2 gr)
124	99-M-157	372027.71	6087027.04	4.0	0	Tr (5 gr)	0	0
125	99-M-201	371334.99	6079065.23	5.0	1	0	1 blue-green	Tr ruby corundum (1 gr), Tr low-Cr diopside (1 gr)
126	99-M-202	370612.18	6078749.88	4.0	Tr	0	1 hercynite	0
127	99-M-203	369733.49	6079116.31	4.0	Tr	Tr (1 gr)	0	0
128	99-M-204	368745.75	6078704.52	4.0	Tr	0	1 pale blue	0
129	99-M-205	367736.72	6078107.25	3.0	Tr	0	0	0
130	99-M-206	366185.42	6077629.58	3.0	Tr	Tr (1 gr)	0	Tr low-Cr diopside (1 gr)
131	99-M-207	370205.14	6080422.95	5.0	Tr	Tr (3 gr)	0	0
132	99-M-208	365599.84	6076900.47	6.0	Tr	0	0	Tr low-Cr diopside (2 gr)
133	99-M-209	367275.47	6079004.52	3.0	Tr	0	0	0
134	99-M-210	367991.68	6079460.20	2.0	Tr	Tr (3 gr)	0	0
135	99-M-211	368856.57	6080449.74	5.0	Tr	0	0	Tr low-Cr diopside (1 gr)
136	99-M-212	367569.80	6080402.33	2.0	Tr	Tr (2 gr)	0	Tr low-Cr diopside (2 gr)
137	99-M-213	365183.13	6079542.10	3.0	Tr	0	0	Tr low-Cr diopside (1 gr)
138	99-M-214	360603.87	6076390.98	3.0	0	0	0	Tr low-Cr diopside (2 gr)
139	99-M-215	360976.40	6074963.41	2.0	0	Tr (1 gr)	0	0
140	99-M-217	359631.41	6079022.59	3.0	0	Tr (2 gr)	1 blue	Tr low-Cr diopside (1 gr)
141	99-M-218	363444.79	6074383.10	5.0	Tr	0	0	Tr low-Cr diopside (1 gr)
142	99-M-219	367825.77	6068425.98	5.0	0	0	0	0
143	99-M-220	368431.98	6067452.60	3.0	Tr	Tr (1 gr)	0	0
144	99-M-221	360246.41	6081552.52	3.0	0	0	0	Tr low-Cr diopside (1 gr)
145	99-M-223	355505.67	6083205.01	3.0	Tr	Tr (1 gr)	0	Tr low-Cr diopside (2 gr)
146	99-M-224	350117.78	6081716.84	4.0	0	0	0	Tr low-Cr diopside (1 gr)

Process Order	Sample Site	UTM Easting	UTM Northing	Mg/Mn/Al/Cr Minerals 0.25-0.5 mm >1 amp Kyanite %	Sillimanite %	Rutile %	# Grains + Colour Spinel	Other
147	99-M-225	350702.40	6083206.61	5.0	0	Tr (3 gr)	0	Tr low-Cr diopside (2 gr)
148	99-M-226	354277.47	6083205.79	3.0	0	0	0	Tr low-Cr diopside (2 gr)
149	99-M-227	355381.59	6075600.60	4.0	0	0	0	0
150	99-M-228	353986.25	6074843.74	3.0	0	0	0	Tr low-Cr diopside (1 gr)
151	99-M-229	353511.14	6076295.59	2.0	0	Tr (1 gr)	0	0
152	99-M-230	355405.44	6076684.24	3.0	0	Tr (4 gr)	1 green	0
153	99-M-233	353080.39	6072997.78	4.0	0	Tr (1 gr)	0	Tr low-Cr diopside (1 gr)
154	99-M-234	352085.67	6071913.45	3.0	0	0	0	0
155	99-M-235	352971.33	6071021.91	4.0	0	Tr (3 gr)	0	Tr low-Cr diopside (1 gr)
156	99-M-236	375222.72	6068829.48	4.0	0	Tr (1 gr)	0	Tr low-Cr diopside (1 gr)
157	99-M-237	373322.15	6067669.32	5.0	Tr	0	0	0
158	99-M-238	372452.18	6069244.38	3.0	0	Tr (2 gr)	0	Tr low-Cr diopside (2 gr)
159	99-M-239	368922.50	6069508.74	7.0	Tr	Tr (1 gr)	0	0
160	99-M-240	370909.02	6070515.51	3.0	0	0	0	0
161	99-M-241	372758.61	6071129.61	4.0	0	0	1 blue	0
162	99-M-242	370633.94	6066046.81	2.0	0	0	0	0
163	99-M-243	373883.08	6066058.33	3.0	Tr	Tr (3 gr)	1 pale blue	Tr Mn-epidote (1 gr)
164	99-M-245	373013.86	6074903.92	6.0	Tr	Tr (6 gr)	1 blue	Tr Mn-epidote (1 gr), Tr low-Cr diopside (1 gr)
165	99-M-246	375209.93	6072610.07	4.0	Tr	Tr (2 gr)	0	0
166	99-M-248	363998.87	6080166.06	5.0	Tr	0	0	0
167	99-M-249	366434.90	6080165.02	4.0	Tr	Tr (1 gr)	0	0
168	99-M-250	365625.09	6080983.27	5.0	Tr	0	0	Tr low-Cr diopside (1 gr)
169	99-M-251	369454.61	6077674.80	4.0	Tr	0	0	0
170	99-M-252	370212.70	6077226.07	2.0	Tr	0	0	0
171	99-M-253	369727.62	6076391.19	3.0	0	0	0	0
172	99-M-257	370578.92	6075052.05	5.0	Tr	Tr (1 gr)	1 green gahnite, 4 pale purple, green spinel	Tr sapphire corundum (1 gr), Tr low-Cr diopside (3 gr)
173	99-M-259	367901.42	6074827.37	5.0	Tr	0	0	0
174	99-M-260	359223.52	6069883.78	3.0	0	0	0	Tr Mn-epidote (1 gr)
175	99-M-261	360063.93	6069315.74	3.0	0	0	0	Tr low-Cr diopside (1 gr)
176	99-M-262	355969.59	6070935.17	4.0	0	Tr (2 gr)	0	Tr low-Cr diopside (1 gr)
177	99-M-263	357994.39	6070646.49	3.0	Tr	Tr (4 gr)	0	0
178	99-M-264	360989.77	6069149.40	6.0	0	0	2 colourless, blue	0
179	99-M-265	361329.67	6072980.83	1.0	Tr	Tr (1 gr)	0	Tr low-Cr diopside (2 gr)

				Mg/Mn/Al/Cr Minerals				
				0.25-0.5 mm				
				>1 amp				
Process Order	Sample Site	UTM Easting	UTM Northing	Kyanite %	Sillimanite %	Rutile %	# Grains + Colour Spinel	Other
180	99-M-266	363559.03	6071022.97	3.0	0	Tr (3 gr)	0	Tr low-Cr diopside (1 gr)
181	99-M-267	377020.28	6069882.33	5.0	0	0	1 green	0
182	99-M-268	379044.14	6070599.95	5.0	Tr	0	0	0
183	99-M-269	376364.81	6071760.41	6.0	0	0	0	0
184	99-M-271	383858.83	6067703.50	4.0	0	Tr (1 gr)	0	0
185	99-M-272	384102.61	6068885.27	5.0	Tr	Tr (1 gr)	1 blue	Tr Mn-epidote (1 gr)
186	99-M-273	380547.15	6070612.20	4.0	0	Tr (1 gr)	0	Tr low-Cr diopside (1 gr)
187	99-M-274	382955.22	6071800.72	5.0	0	0	0	0
188	99-M-275	381967.41	6070087.68	5.0	Tr	Tr (2 gr)	1 blue	0
189	99-M-276	385148.66	6077248.38	7.0	0	Tr (3 gr)	0	Tr low-Cr diopside (1 gr)
190	99-M-277	386690.16	6081682.14	4.0	Tr	Tr (3 gr)	0	Tr low-Cr diopside (1 gr)
191	99-M-278	388023.91	6080577.61	6.0	Tr	Tr (1 gr)	1 pale blue	Tr Mn-epidote (1 gr), Tr low-Cr diopside (1 gr)
192	99-M-279	376310.70	6077007.87	3.0	0	Tr (1 gr)	0	Tr low-Cr diopside (1 gr)
193	99-M-280	384159.38	6073682.24	4.0	Tr	Tr (3 gr)	0	0
194	99-M-281	379124.40	6067728.11	5.0	Tr	Tr (2 gr)	0	0
195	99-M-282	382727.20	6079909.30	4.0	0	Tr (2 gr)	0	0
196	99-M-284	383840.14	6075866.88	5.0	Tr	Tr (1 gr)	1 blue	Tr low-Cr diopside (2 gr)
197	99-M-286	385475.05	6074190.49	3.0	0	Tr (2 gr)	3 blue, pale pink	Tr low-Cr diopside (1 gr)
198	99-M-287	385938.09	6072538.35	5.0	0	0	0	Tr low-Cr diopside (1 gr)
199	99-M-288	384706.93	6071638.97	5.0	0	Tr (4 gr)	0	Tr low-Cr diopside (1 gr)
200	99-M-289	384447.42	6070035.32	2.0	0	Tr (3 gr)	0	0
201	99-M-290	385875.21	6070091.77	2.0	Tr	Tr (3 gr)	0	Tr low-Cr diopside (1 gr)
202	99-M-291	386749.94	6071142.51	3.0	0	0	0	0
203	99-M-292	372658.22	6079359.51	5.0	Tr	0	2 grey, pale green	Tr low-Cr diopside (1 gr)
204	99-M-293	373332.21	6078856.12	5.0	0	Tr (3 gr)	0	Tr low-Cr diopside (1 gr)
205	99-M-294	374312.89	6078921.40	5.0	0	0	1 blue	Tr low-Cr diopside (1 gr)
206	99-M-295	375182.62	6078624.03	6.0	0	Tr (2 gr)	2 green, grey	Tr low-Cr diopside (4 gr)
207	99-M-296	376386.81	6078570.83	5.0	0	Tr (5 gr)	0	0
208	99-M-297	377606.00	6078057.09	3.0	0	0	1 blue	0
209	99-M-298	377794.68	6079094.31	4.0	Tr	Tr (3 gr)	1 colourless	Tr low-Cr diopside (2 gr), Tr ruby corundum (1 gr)
210	99-M-300	383601.49	6081754.27	3.0	0	0	0	0

				Mg/Mn/Al/Cr Minerals				
				0.25-0.5 mm				
				>1 amp				
Process Order	Sample Site	UTM Easting	UTM Northing	Kyanite %	Sillimanite %	Rutile %	# Grains + Colour Spinel	Other
211	99-M-301	382264.75	6081807.41	5.0	0	0	0	0
212	99-M-302	381825.16	6080640.92	5.0	0	Tr (2 gr)	0	0
213	99-M-303	381419.93	6079292.48	7.0	0	Tr (1 gr)	1 pale purple	0
214	99-M-304	379828.87	6079816.74	6.0	0	0	1 blue-green	Tr low-Cr diopside (2 gr)
215	99-M-305	373257.01	6080611.99	8.0	0	0	2 blue, pale pink	0
216	99-M-306	374075.08	6080290.59	4.0	Tr	0	1 dark green gahnite; 1 pale blue spinel	Tr low-Cr diopside (2 gr)
217	99-M-307	376118.15	6080021.19	3.0	Tr	0	0	0
218	99-M-308	378593.33	6079122.68	7.0	0	0	0	0
219	99-M-309	379412.18	6081620.51	3.0	0	0	0	0
220	99-M-310	378075.60	6081454.42	4.0	0	Tr (1 gr)	0	0
221	99-M-311	375825.45	6081477.33	5.0	1	Tr (1 gr)	0	0
222	99-M-312	374729.14	6081514.74	5.0	Tr	Tr (1 gr)	0	0
223	99-M-313	373003.62	6081431.03	5.0	1	0	0	0
224	99-M-314	380441.27	6077362.52	7.0	Tr	Tr (2 gr)	1 blue	Tr low-Cr diopside (1 gr)
225	99-M-315	379424.91	6076667.36	2.0	0	Tr (1 gr)	0	0
226	99-M-316	378083.67	6075976.30	2.0	0	Tr (1 gr)	1 green	0
227	99-M-317	378975.05	6075002.82	4.0	Tr	0	0	0
228	99-M-319	377992.28	6071532.08	3.0	Tr	Tr (4 gr)	0	Tr low-Cr diopside (1 gr)
229	99-M-320	378032.77	6073502.62	1.0	0	Tr (2 gr)	0	0
230	99-M-324	371909.21	6077077.66	2.0	Tr	Tr (2 gr)	0	0
231	99-M-326	367010.80	6076322.95	2.0	Tr	Tr (3 gr)	1 blue	Tr low-Cr diopside (1 gr)
232	99-M-327	365544.89	6075097.76	2.0	Tr	Tr (2 gr)	1 pale blue	Tr low-Cr diopside (1 gr)
233	99-M-329	373524.62	6072776.30	1.0	0	0	0	Tr Mn-epidote (1 gr), Tr low-Cr diopside (2 gr)
234	99-M-330	373090.65	6073609.38	4.0	Tr	Tr (4 gr)	0	0
235	99-M-331	372325.83	6073335.34	3.0	Tr	Tr (1 gr)	1 blue-grey	0
236	99-M-332	371343.79	6071847.26	1.0	0	Tr (2 gr)	0	Tr low-Cr diopside (1 gr)
237	99-M-334	353630.41	6074080.73	2.0	Tr	Tr (5 gr)	1 pale blue	0
238	99-M-335	354026.13	6072263.97	2.0	Tr	Tr (12 gr)	1 pale purple	Tr low-Cr diopside (1 gr)
239	99-M-338	358097.38	6073183.12	Tr	Tr	Tr (3 gr)	1 pale blue	Tr ruby corundum (1 gr), Tr low-Cr diopside (1 gr)
240	99-M-339	358101.16	6077722.60	Tr	Tr	Tr (1 gr)	3 pale purple, blue	0
241	99-M-341	363366.15	6079087.77	4.0	Tr	Tr (2 gr)	0	0
242	99-M-342	361709.41	6079470.25	3.0	Tr	Tr (2 gr)	0	0
243	99-M-343	365228.31	6078367.51	4.0	Tr	Tr (5 gr)	3 blue, blue-green, green	0
244	99-M-344	364266.45	6076224.84	3.0	0	Tr (1 gr)	0	0
245	99-M-345	362453.17	6075416.23	5.0	0	Tr (3 gr)	0	0

				Mg/Mn/Al/Cr Minerals				
				0.25-0.5 mm				
				>1 amp				
Process Order	Sample Site	UTM Easting	UTM Northing	Kyanite %	Sillimanite %	Rutile %	# Grains + Colour Spinel	Other
246	99-M-346	363508.62	6077282.57	4.0	0	Tr (3 gr)	0	0
247	99-M-347	390123.06	6073013.81	3.0	0	Tr (1 gr)	2 blue-green, grey	0
248	99-M-349	394290.85	6073197.89	3.0	0	Tr (1 gr)	0	Tr ruby corundum (1 gr), Tr low-Cr diopside (1 gr)
249	99-M-350	381237.22	6069551.39	Tr	0	0	0	0
250	99-M-351	377332.39	6064774.37	Tr	0	0	0	0

Sample Site	Mg/Mn/Al/Cr Minerals					Sulphide/Arsenide + Related Minerals			
	0.25-0.5 mm					0.25-0.5 mm			
	0.8- 1.0 amp	<0.8 amp				0.8- 1.0 amp	>1 amp		
	Staurolite	Fayalite	Orthopyroxene	Chromite	Spinel	Goethite	Pyrite	Chalcopyrite	Other
	%	%	%	%	%	%	%	%	
99-M-2	1	0	Tr	0	0	2.0	Tr (1 gr)	Tr (1 gr)	0
99-M-3	Tr	0	2.0	0	0	2.0	0	0	0
99-M-4	0.5	0	2.0	0	0	0.5	Tr (2 gr)	0	0
99-M-5	0.5	0	4.0	0	0	2.0	0	0	0
99-M-7	0.5	0	1.0	0	0	Tr	0	0	0
99-M-8	0.5	0	2.0	0	0	Tr	0	Tr (1 gr)	0
99-M-9	Tr	0	2.0	0	0	Tr	0	Tr (1 gr)	0
99-M-10	1	0	2.0	0	0	1.0	0	0	0
99-M-11	Tr	0	1.0	0	0	3.0	0	0	0
99-M-12	Tr	0	Tr	0	0	Tr	Tr (2 gr)	0	0
99-M-13	Tr	0	0.5	0	0	Tr	Tr (2 gr)	0	0
99-M-14	2	0	1.0	0	0	1.0	0	0	0
99-M-15	0.5	0	2.0	0	0	2.0	0	0	0
99-M-16	0.5	0	2.0	0	0	Tr	0	Tr (2 gr)	0
99-M-17	Tr	0	2.0	0	0	Tr	0	Tr (1 gr)	0
99-M-18	Tr	0	Tr	0	0	1.0	0	Tr (2 gr)	0
99-M-19	Tr	0	0.5	0	0	2.0	Tr (2 gr)	Tr (1 gr)	0
99-M-21	Tr	0	Tr	0	0	2.0	0	Tr (1 gr)	0
99-M-25	Tr	0	1.0	0	0	2.0	0	Tr (1 gr)	0
99-M-26	Tr	0	2.0	0	0	2.0	0	0	0
99-M-27	1	0	2.0	0	0	0.0	0	0	0
99-M-28	1	0	1.0	Tr (1 gr; picked as KIM)	0	0.0	0	0	0
99-M-29	Tr	0	5.0	0	0	Tr	0	0	0
99-M-30	Tr	0	5.0	0	0	0.0	0	Tr (1 gr)	0
99-M-31	1	0	5.0	0	0	1.0	0	Tr (1 gr)	0
99-M-32	Tr	0	5.0	0	0	0.0	0	Tr (1 gr)	0

	Mg/Mn/Al/Cr Minerals					Sulphide/Arsenide + Related Minerals			
	0.25-0.5 mm					0.25-0.5 mm			
	0.8- 1.0 amp	<0.8 amp				0.8- 1.0 amp	>1 amp		
Sample Site	Staurolite	Fayalite	Orthopyroxene	Chromite	Spinel	Goethite	Pyrite	Chalcopyrite	Other
	%	%	%	%	%	%	%	%	
99-M-33	Tr	0	7.0	0	0	Tr	0	0	0
99-M-34	Tr	0	7.0	0	0	0.0	0	0	0
99-M-35	Tr	0	2.0	0	0	Tr	0	0	0
99-M-36	Tr	0	5.0	Tr (1 gr; picked as KIM)	0	0.0	0	0	0
99-M-39	Tr	0	5.0	Tr (1 gr: picked as KIM)	0	0.0	Tr (1 gr)	Tr (1 gr)	0
99-M-40	Tr	0	1.0	0	0	0.0	0	0	0
99-M-41	Tr	Tr	2.0	0	0	0.5	0	0	0
99-M-42	Tr	0	3.0	0	0	0.0	0	0	0
99-M-43	Tr	0	2.0	0	0	0.0	0	0	0
99-M-44	Tr	0	3.0	0	0	Tr	0	0	0
99-M-45	Tr	0	4.0	0	0	Tr	0	0	0
99-M-46	Tr	0	2.0	0	0	Tr	0	0	0
99-M-47	Tr	0	3.0	Tr (2 gr; picked as KIMs)	0	0.5	0	0	0
99-M-48	Tr	0	2.0	0	0	0.5	Tr (~10 gr)	0	0
99-M-49	0.5	0	4.0	0	0	1.0	0	0	0
99-M-50	Tr	0	3.0	0	0	Tr	0	0	0
99-M-51	1	0	5.0	0	0	3.0	0	0	0
99-M-52	Tr	0	8.0	0	0	2.0	0	0	0
99-M-53	1	0	4.0	0	0	3.0	0	0	0
99-M-54	Tr	0	4.0	Tr (1 gr; picked as KIM)	0	2.0	0	0	0
99-M-55	Tr	0	3.0	Tr (1 gr; picked as KIM)	0	2.0	0	0	0
99-M-56	1	0	2.0	0	0	3.0	0	0	0
99-M-57	2	0	1.0	0	0	3.0	0	0	0
99-M-59	Tr	0	5.0	0	0	1.0	0	0	0
99-M-63	Tr	0	Tr	Tr (4 gr; picked as KIMs)	0	Tr	0	Tr (1 gr)	0
99-M-64	Tr	0	5.0	0	0	Tr	0	0	0
99-M-65	Tr	0	2.0	Tr (2 gr; picked as KIMs)	0	Tr	0	Tr (1 gr)	0
99-M-66	Tr	0	5.0	Tr (1 gr; picked as KIM)	0	Tr	0	Tr (1 gr)	0
99-M-67	Tr	0	5.0	0	0	Tr	Tr (1 gr)	0	0
99-M-68	Tr	0	7.0	0	0	Tr	0	Tr (1 gr)	0
99-M-69	Tr	0	2.0	0	0	0.0	0	0	0
99-M-70	Tr	0	10.0	Tr (2 gr; picked as KIMs)	0	Tr	0	0	0

	Mg/Mn/Al/Cr Minerals					Sulphide/Arsenide + Related Minerals			
	0.25-0.5 mm					0.25-0.5 mm			
	0.8- 1.0 amp	<0.8 amp				0.8- 1.0 amp	>1 amp		
Sample Site	Staurolite	Fayalite	Orthopyroxene	Chromite	Spinel	Goethite	Pyrite	Chalcopyrite	Other
	%	%	%	%	%	%	%	%	
99-M-71	Tr	0	10.0	Tr (1 gr; picked as KIM)	0	Tr	0	Tr (1 gr)	0
99-M-73	Tr	0	5.0	0	0	Tr	0	0	0
99-M-74	3	0	4.0	0	0	1.0	0	0	0
99-M-75	Tr	0	Tr	0	0	1.0	Tr (1 gr)	0	Tr arsenopyrite (1 gr)
99-M-76	Tr	0	3.0	0	0	Tr	0	0	0
99-M-77	1	0	4.0	0	0	Tr	0	Tr (1 gr)	0
99-M-78	Tr	0	Tr	0	0	Tr	0	0	0
99-M-79	2	0	5.0	0	0	2.0	0	0	0
99-M-80	1	0	3.0	0	0	2.0	0	0	0
99-M-81	Tr	0	10.0	0	0	Tr	Tr (1 gr)	0	Tr bornite (1 gr)
99-M-82	Tr	0	6.0	0	0	Tr	Tr (5 gr)	0	0
99-M-83	5	0	Tr	0	0	Tr	Tr (1 gr)	0	0
99-M-84	Tr	0	2.0	0	0	Tr	0	0	0
99-M-85	1	0	5.0	0	0	Tr	0	0	0
99-M-86	Tr	0	Tr	0	0	Tr	Tr (3 gr)	0	0
99-M-87	2	0	5.0	0	0	2.0	0	0	0
99-M-89	Tr	0	5.0	0	0	Tr	Tr (3 gr)	0	0
99-M-90	Tr	0	10.0	0	0	Tr	Tr (1 gr)	0	0
99-M-91	Tr	0	5.0	0	0	Tr	0	0	0
99-M-93	Tr	0	7.0	0	0	Tr	0	0	0
99-M-94	Tr	0	5.0	0	0	3.0	Tr (~10 gr)	0	0
99-M-95	Tr	0	5.0	0	0	2.0	Tr (3 gr)	0	0
99-M-97	1	0	5.0	0	0	1.0	0	0	0
99-M-98	1	0	6.0	Tr (1 gr; picked as KIM)	0	1.0	Tr (6 gr)	0	0
99-M-100	Tr	0	8.0	0	0	4.0	Tr (~150 gr)	0	0
99-M-101	2	0	6.0	Tr (1 gr; picked as KIM)	0	Tr	Tr (1 gr)	0	0
99-M-102	Tr	0	4.0	0	0	Tr	0	0	0
99-M-104	Tr	0	2.0	Tr (~75 gr; picked as KIMs)	0	Tr	Tr (~10 gr)	Tr (4 gr)	0

	Mg/Mn/Al/Cr Minerals					Sulphide/Arsenide + Related Minerals			
	0.25-0.5 mm					0.25-0.5 mm			
	0.8- 1.0 amp	<0.8 amp				0.8- 1.0 amp	>1 amp		
Sample Site	Staurolite	Fayalite	Orthopyroxene	Chromite	Spinel	Goethite	Pyrite	Chalcopyrite	Other
	%	%	%	%	%	%	%	%	
99-M-105	Tr	0	4.0	Tr (1 gr; picked as KIM)	0	Tr	Tr (2 gr)	0	0
99-M-106	Tr	0	2.0	0	0	Tr	0	Tr (1 gr)	0
99-M-107	Tr	0	4.0	Tr (2 gr; picked as KIMs)	0	Tr	Tr (3 gr)	0	0
99-M-108	Tr	0	5.0	0	0	Tr	0	0	0
99-M-109	Tr	0	5.0	0	0	Tr	0	0	0
99-M-111	Tr	0	5.0	0	0	1.0	0	0	0
99-M-112	Tr	0	5.0	Tr (3 gr; picked as KIMs)	0	3.0	Tr (~10 gr)	0	0
99-M-113	1	0	7.0	0	0	1.0	Tr (1 gr)	0	0
99-M-114	Tr	0	3.0	0	0	5.0	0	0	0
99-M-115	1	0	10.0	0	0	Tr	0	0	0
99-M-116	2	0	7.0	0	0	Tr	0	Tr (1 gr)	0
99-M-118	Tr	0	3.0	0	0	Tr	0	0	0
99-M-121	Tr	0	10.0	0	0	Tr	0	0	0
99-M-123	Tr	0	8.0	0	0	Tr	0	0	0
99-M-124	Tr	0	10.0	0	0	Tr	0	0	0
99-M-125	Tr	0	3.0	0	0	Tr	Tr (1 gr)	0	0
99-M-126	1	0	3.0	Tr (1 gr; picked as KIM)	0	1.0	0	0	0
99-M-127	2	0	1.0	0	0	Tr	0	0	0
99-M-129	Tr	0	2.0	0	0	Tr	0	0	0
99-M-131	2	0	8.0	0	0	Tr	0	0	0
99-M-134	Tr	0	10.0	Tr (3 gr; picked as KIMs)	0	1.0	Tr (1 gr)	Tr (1 gr)	0
99-M-135	Tr	0	12.0	0	0	Tr	Tr (1 gr)	0	0
99-M-136	Tr	0	12.0	0	0	Tr	Tr (1 gr)	0	0

	Mg/Mn/Al/Cr Minerals					Sulphide/Arsenide + Related Minerals			
	0.25-0.5 mm					0.25-0.5 mm			
	0.8- 1.0 amp	<0.8 amp				0.8- 1.0 amp	>1 amp		
Sample Site	Staurolite	Fayalite	Orthopyroxene	Chromite	Spinel	Goethite	Pyrite	Chalcopyrite	Other
	%	%	%	%	%	%	%	%	
99-M-139	1	0	4.0	Tr (5 gr; picked as KIMs)	0	1.0	0	0	0
99-M-140	Tr	0	15.0	Tr (1 gr; picked as KIM)	0	2.0	0	0	0
99-M-142	3	0	12.0	0	0	Tr	0	0	0
99-M-145	1	Tr	6.0	0	0	Tr	0	0	0
99-M-146	Tr	0	5.0	0	0	1.0	0	0	0
99-M-147	Tr	0	10.0	0	0	Tr	0	0	0
99-M-148	Tr	0	7.0	0	0	Tr	0	0	0
99-M-149	Tr	0	6.0	Tr (1 gr; picked as KIM)	0	Tr	Tr (3 gr)	0	0
99-M-150	Tr	0	4.0	0	0	Tr	Tr (1 gr)	0	0
99-M-151	Tr	0	5.0	0	0	Tr	0	0	0
99-M-152	Tr	0	7.0	Tr (2 gr; picked as KIMs)	0	Tr	0	0	0
99-M-154	Tr	0	3.0	0	0	Tr	Tr (2 gr)	0	0
99-M-155	Tr	0	2.0	0	0	2.0	Tr (3 gr)	0	0
99-M-156	Tr	0	5.0	0	0	2.0	Tr (1 gr)	0	0
99-M-157	1	0	5.0	0	0	Tr	Tr (5 gr)	0	0
99-M-201	Tr	0	2.0	0	0	5.0	Tr (~15 gr)	0	0
99-M-202	1	0	1.0	0	0	1.0	Tr (2 gr)	0	0
99-M-203	Tr	0	3.0	0	0	Tr	Tr (1 gr)	0	0
99-M-204	Tr	0	6.0	Tr (1 gr; picked as KIM)	0	Tr	0	0	0
99-M-205	Tr	0	10.0	0	0	1.0	0	0	0
99-M-206	Tr	0	4.0	0	0	Tr	0	0	0
99-M-207	Tr	0	8.0	0	0	Tr	Tr (1 gr)	0	0
99-M-208	Tr	0	3.0	0	0	Tr	0	0	0
99-M-209	Tr	0	8.0	0	0	Tr	1 (~30 gr)	0	0
99-M-210	Tr	0	6.0	0	0	Tr	0	0	0
99-M-211	Tr	0	3.0	0	0	Tr	Tr (1 gr)	0	0
99-M-212	Tr	0	6.0	0	0	Tr	0	0	0
99-M-213	Tr	0	3.0	0	0	Tr	0	0	0
99-M-214	Tr	0	2.0	0	0	1.0	0	0	0
99-M-215	1	0	2.0	0	0	Tr	0	Tr (1 gr)	0
99-M-217	Tr	0	3.0	0	0	1.0	Tr (1 gr)	Tr (1 gr)	0
99-M-218	2	0	5.0	0	0	2.0	0	0	0
99-M-219	Tr	0	2.0	0	0	Tr	0	0	0
99-M-220	Tr	0	4.0	0	0	Tr	0	0	0
99-M-221	Tr	0	2.0	0	0	Tr	30 (~1000 gr)	0	0
99-M-223	Tr	0	Tr	0	0	Tr	0	0	0
99-M-224	Tr	0	2.0	0	0	Tr	0	0	0

Sample Site	Mg/Mn/Al/Cr Minerals					Sulphide/Arsenide + Related Minerals			
	0.25-0.5 mm					0.25-0.5 mm			
	0.8- 1.0 amp	<0.8 amp				0.8- 1.0 amp	>1 amp		
	Staurolite %	Fayalite %	Orthopyroxene %	Chromite %	Spinel %	Goethite %	Pyrite %	Chalcopyrite %	Other
99-M-225	Tr	0	6.0	0	0	Tr	0	0	0
99-M-226	Tr	0	5.0	0	0	3.0	Tr (~10 gr)	0	0
99-M-227	Tr	0	4.0	0	Tr	Tr	Tr (2 gr)	0	0
99-M-228	Tr	0	3.0	0	0	Tr	Tr (1 gr)	Tr (1 gr)	0
99-M-229	Tr	0	6.0	0	0	Tr	Tr (2 gr)	Tr (1 gr)	0
99-M-230	Tr	0	4.0	0	0	Tr	Tr (3 gr)	0	Tr arsenopyrite (1 gr)
99-M-233	Tr	0	3.0	0	0	3.0	Tr (3 gr)	0	0
99-M-234	Tr	0	3.0	0	0	2.0	Tr (1 gr)	0	0
99-M-235	Tr	0	2.0	0	0	Tr	0	Tr (7 gr)	0
99-M-236	Tr	0	4.0	Tr (1 gr; picked as KIM)	0	1.0	0	Tr (1 gr)	0
99-M-237	Tr	0	4.0	0	0	Tr	0	0	0
99-M-238	Tr	0	4.0	0	0	Tr	0	0	0
99-M-239	Tr	0	2.0	0	0	Tr	0	0	0
99-M-240	Tr	0	2.0	0	0	Tr	0	0	0
99-M-241	Tr	0	3.0	0	0	1.0	0	Tr (1 gr)	0
99-M-242	Tr	0	6.0	0	0	1.0	0	0	0
99-M-243	Tr	0	4.0	0	0	Tr	Tr (2 gr)	0	0
99-M-245	Tr	0	7.0	0	0	Tr	0	0	0
99-M-246	Tr	0	5.0	0	Tr	Tr	0	Tr (1 gr)	0
99-M-248	Tr	0	5.0	0	Tr	2.0	Tr (1 gr)	0	0
99-M-249	Tr	0	2.0	0	0	Tr	0	0	0
99-M-250	Tr	0	7.0	0	0	1.0	Tr (~15 gr)	0	0
99-M-251	Tr	0	7.0	0	0	1.0	0	0	0
99-M-252	1	0	3.0	Tr (1 gr; picked as KIM)	Tr	7.0	0	0	0
99-M-253	Tr	0	4.0	Tr (3 gr; picked as KIM)	Tr	2.0	0	0	0
99-M-257	Tr	0	4.0	0	Tr	5.0	0	Tr (3 gr)	0
99-M-259	Tr	0	6.0	0	Tr	1.0	7% (~400 gr)	Tr (1 gr)	0
99-M-260	Tr	0	3.0	0	0	1.0	Tr (3 gr)	0	0
99-M-261	Tr	0	3.0	Tr (2 gr; picked as KIMs)	Tr	5.0	0	0	7% marcasite (~400 gr)
99-M-262	Tr	0	5.0	0	Tr	Tr	0	0	0
99-M-263	Tr	0	5.0	0	Tr	1.0	Tr (3 gr)	0	0
99-M-264	Tr	0	3.0	0	Tr	Tr	Tr (~30 gr)	0	0
99-M-265	Tr	0	3.0	0	Tr	Tr	Tr (1 gr)	Tr (1 gr)	0

Sample Site	Mg/Mn/Al/Cr Minerals					Sulphide/Arsenide + Related Minerals			
	0.25-0.5 mm					0.25-0.5 mm			
	0.8- 1.0 amp	<0.8 amp				0.8- 1.0 amp	>1 amp		
	Staurolite	Fayalite	Orthopyroxene	Chromite	Spinel	Goethite	Pyrite	Chalcopyrite	Other
	%	%	%	%	%	%	%	%	
99-M-266	1	0	2.0	0	Tr	Tr	0	0	0
99-M-267	Tr	0	3.0	0	Tr	Tr	0	Tr (1 gr)	0
99-M-268	Tr	0	Tr	0	0	Tr	0	0	0
99-M-269	Tr	0	3.0	0	Tr	2.0	0	Tr (1 gr)	0
99-M-271	Tr	0	2.0	Tr (1 gr; picked as KIM)	Tr	Tr	0	0	0
99-M-272	Tr	0	3.0	Tr (2 gr; picked as KIMs)	Tr	Tr	0	0	0
99-M-273	Tr	0	1.0	0	Tr	1.0	0	0	0
99-M-274	Tr	0	5.0	0	Tr	2.0	Tr (2 gr)	0	0
99-M-275	Tr	0	4.0	0	Tr	1.0	Tr (1 gr)	0	0
99-M-276	2	0	3.0	0	Tr	3.0	Tr (1 gr)	0	0
99-M-277	Tr	0	4.0	0	Tr	Tr	Tr (1 gr)	0	0
99-M-278	Tr	0	5.0	0	Tr	2.0	0	0	0
99-M-279	Tr	0	Tr	0	0	Tr	0	Tr (1 gr)	0
99-M-280	Tr	0	4.0	0	Tr	Tr	0	0	0
99-M-281	Tr	0	4.0	0	0	40.0	0	0	0
99-M-282	Tr	0	6.0	0	Tr	1.0	0	0	0
99-M-284	Tr	0	6.0	0	Tr	1.0	Tr (4 gr)	0	0
99-M-286	Tr	0	3.0	0	Tr	4.0	Tr (1 gr)	0	0
99-M-287	Tr	0	4.0	0	Tr	Tr	0	0	0
99-M-288	Tr	0	5.0	0	Tr	1.0	0	Tr (1 gr)	0
99-M-289	Tr	0	5.0	0	Tr	1.0	0	0	0
99-M-290	Tr	0	4.0	0	Tr	Tr	0	Tr (1 gr)	0
99-M-291	Tr	0	2.0	0	Tr	1.0	0	Tr (1 gr)	0
99-M-292	Tr	0	4.0	0	Tr	3.0	Tr (4 gr)	0	0
99-M-293	Tr	0	7.0	0	Tr	2.0	0	0	0
99-M-294	Tr	0	5.0	Tr (2 gr; picked as KIMs)	Tr	2.0	0	0	0
99-M-295	Tr	0	4.0	0	Tr	Tr	0	0	0
99-M-296	Tr	0	3.0	0	Tr	Tr	0	0	0
99-M-297	Tr	0	4.0	0	Tr	1.0	Tr (~20 gr)	0	0
99-M-298	Tr	0	5.0	0	Tr	1.0	0	Tr (1 gr)	0
99-M-300	Tr	0	4.0	0	Tr	Tr	0	Tr (1 gr)	0

	Mg/Mn/Al/Cr Minerals					Sulphide/Arsenide + Related Minerals			
	0.25-0.5 mm					0.25-0.5 mm			
	0.8- 1.0 amp	<0.8 amp				0.8- 1.0 amp	>1 amp		
Sample Site	Staurolite	Fayalite	Orthopyroxene	Chromite	Spinel	Goethite	Pyrite	Chalcopyrite	Other
	%	%	%	%	%	%	%	%	
99-M-301	Tr	0	3.0	0	Tr	Tr	0	0	0
99-M-302	2	0	3.0	0	Tr	2.0	0	0	0
99-M-303	1	0	7.0	0	Tr	3.0	0	0	0
99-M-304	2	0	3.0	Tr (1 gr; picked as KIM)	1	3.0	0	0	0
99-M-305	Tr	0	3.0	0	Tr	Tr	0	0	0
99-M-306	Tr	0	5.0	Tr (1 gr; picked as KIM)	Tr	1.0	Tr (3 gr)	Tr (2 gr)	0
99-M-307	Tr	0	4.0	0	Tr	1.0	0	0	0
99-M-308	2	0	4.0	Tr (3 gr; picked as KIMs)	Tr	2.0	0	0	0
99-M-309	Tr	0	4.0	Tr (1 gr; picked as KIM)	Tr	3.0	0	0	0
99-M-310	Tr	0	3.0	0	Tr	3.0	0	0	0
99-M-311	Tr	0	3.0	0	Tr	3.0	0	0	0
99-M-312	Tr	0	5.0	Tr (3 gr; picked as KIMs)	Tr	3.0	Tr (~10 gr)	Tr (1 gr)	0
99-M-313	Tr	0	5.0	0	0	1.0	Tr (~10 gr)	0	0
99-M-314	Tr	0	3.0	0	Tr	Tr	Tr (5 gr)	0	0
99-M-315	2	0	2.0	0	1	1.0	Tr (1 gr)	0	0
99-M-316	1	0	6.0	0	Tr	2.0	Tr (1 gr)	0	0
99-M-317	1	0	5.0	0	Tr	1.0	Tr (2 gr)	0	0
99-M-319	Tr	0	1.0	0	Tr	4.0	0	0	0
99-M-320	Tr	0	8.0	0	Tr	1.0	Tr (4 gr)	Tr (1 gr)	0
99-M-324	Tr	0	5.0	0	Tr	Tr	Tr (2 gr)	0	0
99-M-326	Tr	0	3.0	0	Tr	1.0	0	0	0
99-M-327	Tr	0	3.0	Tr (1 gr; picked as KIM)	Tr	1.0	Tr (1 gr)	Tr (2 gr)	0
99-M-329	Tr	0	7.0	0	Tr	1.0	0	0	0
99-M-330	Tr	0	4.0	Tr (1 gr; picked as KIM)	Tr	Tr	0	0	0
99-M-331	Tr	0	3.0	0	Tr	Tr	Tr (1 gr)	0	0
99-M-332	Tr	0	Tr	0	Tr	Tr	Tr (3 gr)	0	0
99-M-334	Tr	0	1.0	Tr (1 gr; picked as KIM)	Tr	2.0	Tr (1 gr)	0	0
99-M-335	Tr	0	4.0	Tr (1 gr; picked as KIM)	Tr	2.0	0	0	0
99-M-338	Tr	0	1.0	0	Tr	1.0	0	Tr (1 gr)	0
99-M-339	Tr	0	4.0	0	Tr	Tr	Tr (3 gr)	0	0
99-M-341	Tr	0	4.0	0	Tr	3.0	0	0	0
99-M-342	Tr	0	Tr	0	Tr	1.0	0	0	0
99-M-343	Tr	0	3.0	0	Tr	4.0	Tr (1 gr)	0	0
99-M-344	Tr	0	3.0	0	Tr	2.0	0	Tr (1 gr)	0
99-M-345	Tr	0	7.0	0	Tr	3.0	0	0	0

	Mg/Mn/Al/Cr Minerals					Sulphide/Arsenide + Related Minerals			
	0.25-0.5 mm					0.25-0.5 mm			
	0.8- 1.0 amp	<0.8 amp				0.8- 1.0 amp	>1 amp		
Sample Site	Staurolite	Fayalite	Orthopyroxene	Chromite	Spinel	Goethite	Pyrite	Chalcopyrite	Other
	%	%	%	%	%	%	%	%	
99-M-346	Tr	0	Tr	0	Tr	2.0	Tr (2 gr)	Tr (1 gr)	0
99-M-347	Tr	0	Tr	0	Tr	2.0	0	0	0
99-M-349	Tr	0	3.0	Tr (1 gr; picked as KIM)	Tr	3.0	0	0	0
99-M-350	Tr	0	1.0	0	Tr	3.0	Tr (2 gr)	Tr (6 gr)	0
99-M-351	Tr	0	3.0	0	Tr	2.0	0	0	0

Sample Site	Remarks	Picked Grains
99-M-2	Hornblende-almandine-augite/epidote-diopside-titanite assemblage.	0.25-0.5 mm fraction: 1 chalcopyrite, 3 red rutile, 1 low-Cr diopside
99-M-3	Hornblende-almandine/epidote-diopside assemblage.	0.25-0.5 mm fraction: 2 red rutile
99-M-4	Hornblende-almandine-ilmenite/epidote-diopside-titanite assemblage.	0.25-0.5 mm fraction: 1 gahnite
99-M-5	Hornblende-almandine-hematite/epidote-diopside-titanite assemblage.	
99-M-7	Hornblende-almandine/epidote-diopside assemblage. SEM check from 0.5-1.0 mm f	0.5-1.0 mm fraction: 1 Mn-epidote, 0.25-0.5 mm fraction: 1 red rutile, 1 Mn-epidote, 2 apatite resembling Mn-epidote, 1 K-feldspar resembling Mn-epidote
99-M-8	Hornblende-almandine/epidote-diopside assemblage.	0.25-0.5 mm fraction: 1 chalcopyrite, 1 low-Cr diopside
99-M-9	Hornblende-almandine-ilmenite/epidote-diopside-titanite assemblage.	0.25-0.5 mm fraction: 1 chalcopyrite, 2 low-Cr diopside
99-M-10	Hornblende-almandine/epidote-diopside-titanite assemblage.	
99-M-11	Hornblende-almandine-hematite/epidote-diopside-titanite assemblage.	0.25-0.5 mm fraction: 1 low-Cr diopside
99-M-12	Hornblende-almandine/epidote-diopside-titanite assemblage.	
99-M-13	Hornblende-almandine-ilmenite/epidote-diopside-titanite assemblage.	0.5-1.0 mm fraction: 1 low-Cr diopside, 0.25-0.5 mm fraction: 1 spinel, 1 red rutile, 1 low-Cr diopside
99-M-14	Hornblende-almandine-hematite/epidote-diopside assemblage.	0.25-0.5 mm fraction: 1 gahnite, 1 spinel, 1 red rutile
99-M-15	Hornblende-almandine-augite/epidote-diopside-titanite assemblage. SEM checks from 0.25-0.5 mm fraction: 2 pale blue-green gahnite versus spinel candidates = 2 spinel.	0.25-0.5 mm fraction: 2 spinel, 1 Mn-epidote, 1 ruby corundum (see KIM notes)
99-M-16	Hornblende-augite-almandine/epidote-diopside-titanite assemblage. SEM checks from 0.25-0.5 mm fraction: 7 blue sapphirine versus spinel candidates = 5 sapphirine and 2 spinel.	0.25-0.5 mm fraction: 2 chalcopyrite, 2 spinel, 5 sapphirine
99-M-17	Hornblende-almandine/epidote-diopside-titanite assemblage.	0.25-0.5 mm fraction: 1 chalcopyrite, 1 sapphirine
99-M-18	Hornblende-almandine/epidote-diopside-titanite assemblage. SEM check from 0.25-0.5 mm fraction: 1 pink spinel versus almandine candidate = 1 zircon.	0.25-0.5 mm fraction: 2 chalcopyrite, 1 spinel, 1 zircon resembling spinel, 2 red rutile
99-M-19	Hornblende-almandine/epidote-diopside-titanite assemblage.	0.5-1.0 mm fraction: 2 chalcopyrite, 0.25-0.5 mm fraction: 1 chalcopyrite, 1 low-Cr diopside
99-M-21	Hornblende-almandine/epidote-titanite-diopside assemblage. SEM check from 0.25-0.5 mm fraction: 1 dark blue spinel versus gahnite candidate = 1 spinel.	0.25-0.5 mm fraction: 1 chalcopyrite, 1 spinel
99-M-25	Hornblende-almandine-hematite/epidote-diopside-titanite assemblage.	0.25-0.5 mm fraction: 1 chalcopyrite, 1 low-Cr diopside
99-M-26	Hornblende-almandine-hematite/epidote-titanite assemblage.	0.25-0.5 mm fraction: 1 red rutile
99-M-27	Hornblende-almandine	0.25-0.5 mm fraction: 1 Mn-epidote, 1 low-Cr diopside, 1 epidote resembling corundum, 1 atypical staurolite resembling tourmaline, 1 zircon resembling spinel, 1 chromite (picked as KIM)
99-M-28	Almandine-hornblende-hematite/epidote-titanite-diopside assemblage.	0.25-0.5 mm fraction: 4 spinel
99-M-29	Almandine-hornblende-hematite/epidote-titanite-diopside assemblage.	
99-M-30	Hornblende-almandine-hematite/epidote-diopside assemblage. SEM check from 0.5-1.0 mm fraction: 1 red-orange spessartine versus staurolite candidate = 1	0.5-1.0 mm fraction: 1 almandine resembling spessartine, 0.25-0.5 mm fraction: 1 chalcopyrite, 2 Mn-epidote, 1 leucosapphire corundum, 2 almandine resembling spinel, 2 hedenbergite resembling gahnite
99-M-31	Almandine-hornblende/epidote-diopside assemblage.	0.5-1.0 mm fraction: 1 chalcopyrite, 0.25-0.5 mm fraction: 1 chalcopyrite
99-M-32	Almandine-hornblende-hematite/epidote-titanite assemblage.	0.25-0.5 mm fraction: 1 chalcopyrite

Sample Site	Remarks	Picked Grains
99-M-33	Hornblende-almandine/epidote-diopside assemblage. SEM check from 0.25-0.5 mm fraction: 1 blue-green gahnite versus diopside candidate = 1 gahnite.	0.25-0.5 mm fraction: 1 gahnite
99-M-34	Hornblende-almandine/epidote-diopside assemblage. SEM check from 0.25-0.5 mm fractioin: 1 grey spinel versus epidote candidate = 1 andalusite.	0.25-0.5 mm fraction: 1 andalusite
99-M-35	Hornblende-almandine-hematite/epidote-diopside assemblage.	
99-M-36	Almandine-hornblende-hematite/epidote-diopside assemblage.	0.5-1.0 mm fraction: 1 pale green corundum (see KIM remarks), 0.25-0.5 mm fraction: 1 chromite (picked as KIM)
99-M-39	Almandine-hornblende-hematite/epidote assemblage.	0.25-0.5 mm fraction: 1 chalcopyrite, 1 spinel, 1 chromite picked as KIM)
99-M-40	Hornblende-almandine-hematite/epidote-titanite assemblage.	
99-M-41	Hornblende-almandine-hematite/epidote-titanite assemblage.	
99-M-42	Hornblende-almandine-hematite/epidote-titanite-diopside assemblage.	0.25-0.5 mm fraction: 1 ruby corundum (see KIM remarks)
99-M-43	Hornblende-almandine-augite-hematite/ epidote-diopside-titanite assemblage.	0.25-0.5 mm fraction: 1 red rutile, 2 spinel
99-M-44	Almandine-hornblende-augite/epidote assemblage. SEM checks from 0.25-0.5 mm fraction: 2 colourless spinel versus diopside candidates = 2 common spinel.	0.25-0.5 mm fraction: 2 spinel
99-M-45	Hornblende-almandine-hematite/epidote-diopside-titanite assemblage. SEM check from 0.25-0.5 mm fraction: 1 pale blue spinel versus apatite candidate = 1 common spinel.	0.25-0.5 mm fraction: 1 spinel
99-M-46	Hornblende-almandine/epidote-diopside-titanite assemblage.	0.25-0.5 mm fraction: 1 spinel
99-M-47	Hornblende-almandine-hematite/epidote-titanite assemblage. SEM check from 0.25-0.5 mm fraction: 1 colourless spinel versus epidote candidate = 1 common spinel.	0.25-0.5 mm fraction: 1 spinel, 2 chromite (picked as KIMs)
99-M-48	Hornblende-almandine-augite/epidote-diopside assemblage.	0.25-0.5 mm fraction: 1 spinel
99-M-49	Hornblende-almandine-hematite/epidote-diopside-titanite assemblage.	
99-M-50	Hornblende-hematite-almandine/epidote-diopside-titanite assemblage.	0.25-0.5 mm fraction: 1 spinel, 2 red rutile
99-M-51	Hornblende-ilmenite-almandine/epidote-diopside-titanite assemblage.	0.25-0.5 mm fraction: 2 spinel
99-M-52	Hornblende-augite-almandine/epidote-titanite assemblage.	0.25-0.5 mm fraction: 1 low-Cr diopside
99-M-53	Almandine-hematite-hornblende/epidote-diopside-titanite assemblage. SEM check from 0.25-0.5 mm fraction: 1 colourless spinel versus topaz candidate = 1 spinel.	0.25-0.5 mm fraction: 1 spinel, 1 red rutile, 1 low-Cr diopside
99-M-54	Hornblende-almandine-hematite/diopside-epidote-titanite assemblage.	0.25-0.5 mm fraction: 1 chromite (picked as KIM)
99-M-55	Hornblende-hematite-almandine/epidote-diopside-titanite assemblage.	0.25-0.5 mm fraction: 1 spinel, 2 red rutile, 1 chromite (picked as KIM)
99-M-56	Almandine-hematite-hornblende/epidote-diopside-titanite assemblage.	0.25-0.5 mm fraction: 3 red rutile, 1 Mn-epidote, 1 low-Cr diopside
99-M-57	Hornblende-hematite-almandine/epidote-diopside-titanite assemblage.	0.25-0.5 mm fraction: 1 gahnite, 1 spinel, 1 red rutile, 1 low-Cr diopside
99-M-59	Almandine-hornblende-hematite/epidote-diopside-titanite assemblage.	0.25-0.5 mm fraction: 1 spinel, 1 low-Cr diopside
99-M-63	Hematite-almandine-hornblende/diopside-epidote assemblage. SEM check from 0.25-0.5 mm fraction: 1 ruby corundum versus almandine candidate = 1 ruby corundum.	0.5-1.0 mm fraction: 2 chromite (picked as KIMs), 0.25-0.5 mm fraction: 1 chalcopyrite, 5 red rutile, 1 ruby corundum
99-M-64	Hornblende-almandine-augite-hematite/ epidote-diopside-titanite assemblage. SEM check from 0.25-0.5 mm fraction: 1 blue sapphire corundum versus spinel candidate = 1 sapphire corundum.	0.5-1.0 mm fraction: 1 chromite (picked as KIM), 0.25-0.5 mm fraction: 1 sapphire corundum
99-M-65	Hornblende-almandine-hematite/epidote-diopside assemblage.	0.25-0.5 mm fraction: 1 chalcopyrite, 1 gahnite, 2 red rutile, 1 low-Cr diopside, 2 chromite (picked as KIMs)
99-M-66	Almandine-hornblende-hematite/epidote-diopside-titanite assemblage.	0.5-1.0 mm fraction: 1 pale grey spinel, 0.25-0.5 mm fraction: 1 chalcopyrite, 2 spinel, 2 low-Cr diopside, 1 chromite (picked as KIM)
99-M-67	Hornblende-almandine-hematite/epidote-diopside-titanite assemblage.	0.25-0.5 mm fraction: 1 red rutile
99-M-68	Hornblende-almandine-hematite/epidote-diopside-titanite assemblage.	0.25-0.5 mm fraction: 1 chalcopyrite, 2 red rutile
99-M-69	Hornblende-almandine/epidote-diopside assemblage. Undersized concentrate.	0.25-0.5 mm fraction: 1 spinel
99-M-70	Almandine-augite-hornblende/diopside assemblage.	0.25-0.5 mm fraction: 2 red rutile, 2 chromite (picked as KIMs)

Sample	Site Remarks	Picked Grains
99-M-71	Hornblende-almandine-hematite/epidote-diopside-titanite assemblage.	0.25-0.5 mm fraction: 1 chalcopyrite, 1 gahnite, 4 red rutile, 1 chromite (picked as KIM)
99-M-73	Hornblende-hematite-almandine/epidote-diopside-titanite assemblage.	0.25-0.5 mm fraction: 1 gahnite, 2 spinel, 3 red rutile, 1 low-Cr diopside
99-M-74	Hornblende-almandine-hematite/epidote-diopside assemblage.	0.25-0.5 mm fraction: 1 spinel, 2 red rutile
99-M-75	Hornblende-almandine-hematite/epidote-diopside-titanite assemblage.	0.25-0.5 mm fraction: 1 arsenopyrite, 2 red rutile
99-M-76	Hornblende-almandine-hematite/epidote-diopside-titanite assemblage.	0.25-0.5 mm fraction: 1 spinel, 1 red rutile, 1 Mn-epidote, 2 low-Cr diopside
99-M-77	Hornblende-almandine-hematite/epidote-diopside-titanite assemblage.	0.25-0.5 mm fraction: 1 chalcopyrite, 1 red rutile, 2 low-Cr diopside
99-M-78	Hornblende-almandine-hematite/epidote-diopside-titanite assemblage.	0.25-0.5 mm fraction: 2 red rutile, 1 ruby corundum
99-M-79	Hornblende-almandine-hematite/epidote-diopside assemblage.	0.25-0.5 mm fraction: 1 low-Cr diopside
99-M-80	Hornblende-almandine-hematite/epidote-diopside-titanite assemblage. SEM check from 0.25-0.5 mm fraction: 1 pale purple spinel versus kyanite candidate = 1 spinel.	0.25-0.5 mm fraction: 1 spinel, 1 red rutile, 1 low-Cr diopside
99-M-81	Hornblende-almandine/epidote-diopside assemblage.	0.25-0.5 mm fraction: 1 bornite, 2 spinel, 3 red rutile, 2 low-Cr diopside
99-M-82	Hornblende-almandine-hematite/epidote-diopside-titanite assemblage.	0.25-0.5 mm fraction: 5 red rutile, 2 low-Cr diopside
99-M-83	Hornblende-almandine-hematite/epidote-diopside-titanite assemblage. SEM checks from 0.25-0.5 mm fraction: 1 green gahnite versus spinel candidate = 1 gahnite; and 1 Mn-epidote versus apatite candidate = 1 apatite.	0.5-1.0 mm fraction: 1 chromite (picked as KIM), 1 low-Cr diopside, 0.25-0.5 mm fraction: 1 gahnite, 1 spinel, 3 red rutile, 2 Mn-epidote, 1 apatite resembling Mn-epidote, 1 sapphirine, 4 low-Cr diopside
99-M-84	Hornblende-augite-hematite/epidote-diopside assemblage.	0.25-0.5 mm fraction: 1 spinel, 1 red rutile
99-M-85	Hornblende-almandine-hematite/epidote-titanite-diopside assemblage.	
99-M-86	Hornblende-almandine-hematite/epidote-titanite assemblage.	0.25-0.5 mm fraction: 2 gahnite, 3 spinel, 2 red rutile, 2 low-Cr diopside
99-M-87	Hornblende-almandine-hematite/epidote-diopside-titanite assemblage. SEM check from 0.5-1.0 mm fraction: 1 red-orange spessartine versus almandine candidate = 1 almandine.	0.5-1.0 mm fraction: 1 almandine resembling spessartine, 0.25-0.5 mm fraction: 2 spinel, 3 red rutile, 1 low-Cr diopside
99-M-89	Hornblende-almandine-hematite/epidote-diopside assemblage.	0.25-0.5 mm fraction: 1 spinel 1 ruby corundum, 3 low-Cr diopside
99-M-90	Hornblende-almandine-hematite/epidote-diopside-titanite assemblage.	0.25-0.5 mm fraction: 1 spinel
99-M-91	Hornblende-almandine-hematite/epidote-diopside-titanite assemblage. SEM check from 0.25-0.5 mm fraction: 1 colourless spinel versus quartz candidate = 1 spinel.	0.25-0.5 mm fraction: 1 spinel, 1 low-Cr diopside
99-M-93	Hornblende-almandine-hematite/epidote-diopside-titanite assemblage. SEM check from 0.25-0.5 mm fraction: 1 green uvarovite versus Cr-grossular candidate = 1 Cr-andradite.	0.25-0.5 mm fraction: 1 gahnite, 3 spinel, 3 red rutile, 1 Cr-andradite, 2 low-Cr diopside
99-M-94	Almandine-hornblende-hematite/epidote-diopside-titanite assemblage.	0.5-1.0 mm fraction: 1 colourless spinel, 0.25-0.5 mm fraction: 1 red rutile, 1 ruby corundum
99-M-95	Hornblende-almandine-hematite/epidote-diopside-titanite assemblage.	0.25-0.5 mm fraction: 1 spinel, 2 red rutile, 1 low-Cr diopside
99-M-97	Almandine-hornblende-hematite/epidote-diopside assemblage.	0.25-0.5 mm fraction: 2 spinel, 3 red rutile, 1 low-Cr diopside
99-M-98	Hornblende-almandine-hematite/epidote-diopside-titanite assemblage.	0.25-0.5 mm fraction: 7 red rutile, 1 chromite (picked as KIM)
99-M-100	Almandine-hornblende-hematite/epidote-diopside-titanite assemblage.	0.25-0.5 mm fraction: 1 spinel, 8 red rutile, 1 Mn-epidote, 3 low-Cr diopside
99-M-101	Almandine-hornblende-hematite/epidote-diopside assemblage. SEM check from 0.25-0.5 mm fraction: 1 pale pink spinel versus almandine candidate = 1 ruby corundum.	0.25-0.5 mm fraction: 6 red rutile, 1 ruby corundum, 7 low-Cr diopside, 1 chromite (picked as KIM)
99-M-102	Hornblende-almandine-augite/epidote-diopside-titanite assemblage.	0.5-1.0 mm fraction: 1 low-Cr diopside, 0.25-0.5 mm fraction: 4 red rutile, 2 low-Cr diopside
99-M-104	Almandine-hornblende/epidote-diopside-titanite assemblage.	0.5-1.0 mm fraction: 4 chromite (picked as KIMs), 0.25-0.5 mm fraction: 4 chalcopyrite, 1 red rutile, 2 low-Cr diopside, 20 representative chromite (picked as KIMs)

Sample	Site Remarks	Picked Grains
99-M-105	Hornblende-almandine-augite/epidote-diopside-titanite assemblage.	0.25-0.5 mm fraction: 3 spinel, 3 red rutile, 2 Mn-epidote, 1 ruby corundum, 4 low-Cr diopside, 1 chromite (picked as KIM)
99-M-106	Almandine-hornblende-hematite/epidote-diopside-titanite assemblage.	0.5-1.0 mm fraction: 1 chromite (picked as KIM), 0.25-0.5 mm fraction: 1 chalcopyrite, 1 spinel, 3 red rutile, 1 low-Cr diopside
99-M-107	Hornblende-almandine-augite/epidote-diopside-titanite assemblage. SEM check from 0.25-0.5 mm fraction: 1 ruby corundum versus almandine candidate = 1 Mg-almandine.	0.25-0.5 mm fraction: 3 red rutile, 2 low-Cr diopside, 2 chromite (picked as KIMs), 1 Mg-almandine resembling ruby corundum
99-M-108	Hornblende-almandine-hematite/epidote-diopside-titanite assemblage. SEM check from 0.25-0.5 mm fraction: 1 ruby corundum versus almandine candidate = 1 spinel.	0.5-1.0 mm fraction: 1 chromite (picked as KIM), 0.25-0.5 mm fraction: 2 spinel, 6 red rutile, 4 low-Cr diopside
99-M-109	Hornblende-almandine/epidote-diopside assemblage. SEM check from 0.5-1.0 mm fraction: 1 ruby corundum versus almandine candidate = 1 almandine. SEM check from 0.25-0.5 mm fraction: 1 ruby corundum versus almandine candidate = 1 almandine.	0.5-1.0 mm fraction: 1 chalcopyrite, 1 blue spinel, 1 chromite (picked as KIM), 1 almandine resembling ruby corundum, 0.25-0.5 mm fraction: 1 red rutile, 1 low-Cr diopside, 1 almandine resembling ruby corundum
99-M-111	Hornblende-almandine-hematite/epidote-titanite-diopside assemblage.	0.25-0.5 mm fraction: 1 red rutile, 1 Mn-epidote, 1 low-Cr diopside
99-M-112	Hornblende-almandine-hematite/epidot	0.25-0.5 mm fraction: 2 spinel, 1 red rutile, 1 ruby corundum, 2 andalusite, 6 low-Cr diopside, 3 chromite (picked as KIMs), 1 monazite resembling Mn-epidote
99-M-113	Hornblende-almandine/epidote-diopside assemblage.	0.25-0.5 mm fraction: 1 red rutile, 1 low-Cr diopside
99-M-114	Hornblende-almandine-hematite/epidote-diopside-titanite assemblage.	0.25-0.5 mm fraction: 1 Mn-epidote, 2 low-Cr diopside
99-M-115	Hornblende-almandine/epidote-diopside-titanite assemblage.	0.25-0.5 mm fraction: 2 spinel, 2 low-Cr diopside
99-M-116	Almandine-hornblende-augite/epidote-diopside assemblage.	0.25-0.5 mm fraction: 1 chalcopyrite, 9 spinel, 1 red rutile, 3 low-Cr diopside
99-M-118	Almandine-hornblende-hematite/epidote-diopside assemblage. SEM checks from 0.25-0.5 mm fraction: 1 ruby corundum versus almandine candidate = 1 almandine; and 1 blue sapphire corundum versus kyanite candidate = 1 kyanite.	0.25-0.5 mm fraction: 2 spinel, 2 red rutile, 1 low-Cr diopside, 1 almandine resembling ruby corundum, 1 kyanite resembling sapphire corundum
99-M-121	Hornblende-almandine/epidote-diopside assemblage.	0.25-0.5 mm fraction: 3 gahnite, 2 spinel, 2 red rutile
99-M-123	Hornblende-almandine/epidote-diopside assemblage. SEM check from 0.25-0.5 mm fraction: 1 gahnite versus pyroxene candidate = 1 diopside-hedenbergite.	0.25-0.5 mm fraction: 5 red rutile, 1 Mn-epidote, 1 diopside-hedenbergite resembling gahnite
99-M-124	Hornblende-almandine/epidote-diopside assemblage. SEM check from 0.25-0.5 mm fraction: 1 ruby corundum versus almandine candidate = 1 almandine.	0.25-0.5 mm fraction: 1 spinel, 4 red rutile, 2 ruby corundum, 1 almandine resembling ruby corundum, 3 low-Cr diopside
99-M-125	Hornblende-almandine-augite/epidote-diopside assemblage.	0.25-0.5 mm fraction: 1 gahnite, 1 spinel, 5 red rutile, 3 low-Cr diopside
99-M-126	Hornblende-almandine-augite/epidote-diopside assemblage.	0.25-0.5 mm fraction: 3 spinel, 4 red rutile, 3 low-Cr diopside, 1 chromite (picked as KIM)
99-M-127	Almandine-hornblende-hematite/epidote-diopside assemblage.	0.25-0.5 mm fraction: 3 red rutile, 1 Mn-epidote, 2 low-Cr diopside
99-M-129	Hornblende-almandine/epidote-diopside assemblage.	0.25-0.5 mm fraction: 2 spinel, 6 red rutile, 1 low-Cr diopside
99-M-131	Hornblende-almandine-augite/epidote-diopside-titanite assemblage.	0.25-0.5 mm fraction: 1 spinel, 3 red rutile, 1 Mn-epidote, 1 low-Cr diopside
99-M-134	Almandine-hornblende-hematite/epidote-diopside assemblage.	0.5-1.0 mm fraction: 1 chromite (picked as KIM), 0.25-0.5 mm fraction: 1 chalcopyrite, 3 spinel, 5 red rutile, 1 low-Cr diopside, 3 chromite (picked as KIMs)
99-M-135	Hornblende-almandine-augite-hematite/ epidote-diopside assemblage.	0.25-0.5 mm fraction: 1 spinel 4 red rutile, 2 low-Cr diopside
99-M-136	Hornblende-almandine/epidote-diopside assemblage.	0.25-0.5 mm fraction: 4 red rutile, 1 Mn-epidote, 1 ruby corundum (see KIM notes), 1 low-Cr diopside

Sample	Site Remarks	Picked Grains
99-M-139	Almandine-hornblende-hematite/epidote-diopside-titanite assemblage.	0.25-0.5 mm fraction: 1 spinel, 6 red rutile, 1 Mn-epidote, 2 low-Cr diopside, 5 chromite (picked as KIMs)
99-M-140	Hornblende-almandine-orthopyroxene/ epidote-diopside assemblage.	0.25-0.5 mm fraction: 2 red rutile, 1 low-Cr diopside, 1 chromite (picked as KIM)
99-M-142	Hornblende-almandine-hematite/epidote-diopside assemblage.	0.25-0.5 mm fraction: 1 spinel, 2 red rutile, 3 low-Cr diopside
99-M-145	Hornblende-almandine-hematite/epidote-diopside assemblage.	0.25-0.5 mm fraction: 1 red rutile, 1 low-Cr diopside
99-M-146	Hornblende-almandine-hematite/epidote-diopside-titanite assemblage.	0.25-0.5 mm fraction: 9 red rutile,1 Mn-epidote, 2 low-Cr diopside
99-M-147	Hornblende-almandine-augite-hematite/ epidote-diopside assemblage.	0.25-0.5 mm fraction: 7 red rutile, 2 low-Cr diopside
99-M-148	Hornblende-almandine-hematite/epidote-diopside assemblage.	0.25-0.5 mm fraction: 2 spinel, 2 red rutile, 1 low-Cr diopside
99-M-149	Hornblende-almandine-hematite/epidote-diopside assemblage.	0.25-0.5 mm fraction: 1 chromite (picked as KIM)
99-M-150	Hornblende-almandine-hematite/epidote-diopside assemblage.	0.25-0.5 mm fraction: 1 red rutile
99-M-151	Almandine-hornblende-hematite/epidote-diopside-titanite assemblage.	0.5-1.0 mm fraction: 1 chromite (picked as KIM), 0.25-0.5 mm fraction: 1 spinel, 3 red rutile, 1 sapphirine, 4 low-Cr diopside
99-M-152	Hornblende-almandine-hematite/epidote-diopside assemblage.	0.25-0.5 mm fraction: 3 spinel, 7 red rutile, 2 chromite (picked as KIMs)
99-M-154	Hornblende-almandine-augite/epidote-diopside-titanite assemblage.	0.5-1.0 mm fraction: 1 low-Cr diopside, 0.25-0.5 mm fraction: 2 spinel, 2 red rutile, 2 low-Cr diopside
99-M-155	Hornblende-almandine-augite-hematite/ epidote-diopside assemblage.	0.25-0.5 mm fraction: 1 spinel, 4 red rutile, 2 low-Cr diopside
99-M-156	Hornblende-almandine-augite-hematite/ epidote-diopside-titanite assemblage.	0.25-0.5 mm fraction: 3 red rutile, 2 low-Cr diopside
99-M-157	Hornblende-almandine-augite-ilmenite/ epidote-diopside-titanite assemblage.	0.25-0.5 mm fraction: 5 red rutile
99-M-201	Grunerite-almandine.	0.5-1.0 mm fraction: 1 chromite (picked as KIM), 0.25-0.5 mm fraction: 1 spinel, 1 ruby corundum, 1 low-Cr diopside, 1 grunerite (assemblage mineral; not a MMSIM)
99-M-202	Hornblende-almandine-hematite/epidote-diopside-titanite assemblage. SEM check from 0.25-0.5 mm fraction: 1 green gahnite versus spinel candidate = 1 hercynite.	0.25-0.5 mm fraction: 1 hercynite
99-M-203	Hornblende-almandine-hematite/epidote-diopside-titanite assemblage.	0.25-0.5 mm fraction: 1 red rutile
99-M-204	Hornblende-almandine-hematite/epidote-diopside-titanite assemblage.	0.25-0.5 mm fraction: 1 spinel, 1 chromite (picked as KIM)
99-M-205	Hornblende-almandine-hematite/epidote-diopside-titanite assemblage.	
99-M-206	Hornblende-almandine-hematite/epidote-diopside-titanite assemblage.	0.25-0.5 mm fraction: 1 red rutile, 1 low-Cr diopside
99-M-207	Hornblende-hematite-almandine-augite/ epidote-diopside-titanite assemblage.	0.25-0.5 mm fraction: 3 red rutile
99-M-208	Almandine-hornblende-augite/epidote -diopside-titanite assemblage.	0.25-0.5 mm fraction: 2 low-Cr diopside
99-M-209	Hornblende-almandine-hematite/epidote-diopside-titanite assemblage.	
99-M-210	Hornblende-almandine-hematite/epidote-diopside-titanite assemblage.	0.25-0.5 mm fraction: 3 red rutile
99-M-211	Hornblende-almandine-hematite/epidote-diopside-titanite assemblage.	0.25-0.5 mm fraction: 1 low-Cr diopside
99-M-212	Hornblende-almandine-hematite/epidote-diopside-titanite assemblage.	0.25-0.5 mm fraction: 2 red rutile, 1 low-Cr diopside
99-M-213	Hornblende-almandine-augite/epidote-diopside-titanite assemblage.	0.25-0.5 mm fraction: 1 low-Cr diopside
99-M-214	Grunerite-almandine-hornblende/epidote-diopside-titanite assemblage.	0.25-0.5 mm fraction: 2 low-Cr diopside
99-M-215	Hornblende-almandine-augite/epidote-diopside-titanite assemblage.	0.25-0.5 mm fraction: 1 chalcopyrite, 1 red rutile
99-M-217	Almandine-hornblende-hematite/epidote-diopside-titanite assemblage.	0.25-0.5 mm fraction: 1 chalcopyrite, 1 spinel, 2 red rutile, 1 low-Cr diopside
99-M-218	Hornblende-almandine-hematite/epidote -diopside-titanite assemblage. SEM checks from 0.25-0.5 mm fraction: 3 spessartine versus almandine candidates = 3 almandine.	0.25-0.5 mm fraction: 1 low-Cr diopside, 3 almandine resembling spessartine
99-M-219	Hornblende-almandine-augite-hematite/ epidote-diopside-titanite assemblage.	
99-M-220	Hornblende-almandine-hematite/epidote -diopside-titanite assemblage.	0.25-0.5 mm fraction: 1 red rutile
99-M-221	Hornblende-almandine-hematite/epidote -diopside-pyrite assemblage.	0.25-0.5 mm fraction: 1 low-Cr diopside
99-M-223	Hornblende-almandine-hematite/diopside -epidote-titanite assemblage. SEM checks from 0.25-0.5 mm fraction: 4 spessartine versus almandine candidates = 3 almandine and 1 staurolite.	0.5-1.0 mm fraction: 1 chromite (picked as KIM), 0.25-0.5 mm fraction: 1 red rutile, 2 low-Cr diopside, 3 almandine resembling spessartine, 1 staurolite resembling spessartine
99-M-224	Hornblende-hematite-almandine/epidote -diopside-titanite assemblage.	0.25-0.5 mm fraction: 1 low-Cr diopside

Sample	Site Remarks	Picked Grains
99-M-225	Hornblende-almandine-augite-hematite/ epidote-diopside-titanite assemblage. SEM check from 0.5-1.0 mm fraction: 1 spinel versus almandine candidate = 1 spinel.	0.5-1.0 mm fraction: 1 spinel, 0.25-0.5 mm fraction: 3 red rutile, 2 low-Cr diopside
99-M-226	Hornblende-almandine-hematite/epidote -diopside-titanite assemblage.	0.25-0.5 mm fraction: 2 low-Cr diopside
99-M-227	Hornblende-almandine-augite/epidote-diopside-titanite assemblage. SEM checks from 0.25-0.5 mm fraction: 2 spessartine versus almandine candidates = 2 spessartine.	0.25-0.5 mm fraction: 2 spessartine
99-M-228	Hornblende-almandine-augite-hematite/ epidote-diopside assemblage.	0.25-0.5 mm fraction: 1 chalcopyrite, 1 low-Cr diopside
99-M-229	Hornblende-almandine-hematite/epidote-diopside assemblage.	0.25-0.5 mm fraction: 1 chalcopyrite, 1 red rutile
99-M-230	Hornblende-almandine-augite-hematite/ epidote-diopside assemblage.	0.25-0.5 mm fraction: 1 arsenopyrite, 1 spinel 4 red rutile
99-M-233	Hornblende-almandine-hematite-augite/ epidote-diopside-titanite assemblage.	0.25-0.5 mm fraction: 1 red rutile, 1 low-Cr diopside
99-M-234	Hornblende-almandine-augite/epidote-diopside-titanite assemblage.	
99-M-235	Hornblende-almandine-hematite-augite/ epidote-diopside-titanite assemblage.	0.5-1.0 mm fraction: 1 chalcopyrite, 0.25-0.5 mm fraction: 7 chalcopyrite, 3 red rutile, 1 low-Cr diopside
99-M-236	Hornblende-almandine-augite-hematite/ epidote-diopside-titanite assemblage.	0.25-0.5 mm fraction: 1 chalcopyrite 1 red rutile 1 low-Cr diopside 1 chromite (picked as KIM)
99-M-237	Hornblende-almandine-augite-hematite/ epidote-titanite-diopside assemblage.	
99-M-238	Hornblende-almandine-augite/epidote-diopside-titanite assemblage.	0.25-0.5 mm fraction: 2 red rutile, 2 low-Cr diopside
99-M-239	Hornblende-almandine-hematite-augite/ epidote-diopside-titanite assemblage.	0.25-0.5 mm fraction: 1 red rutile
99-M-240	Hornblende-almandine-augite/epidote-diopside-titanite assemblage.	
99-M-241	Hornblende-almandine-hematite/epidote-diopside-titanite assemblage.	0.25-0.5 mm fraction: 1 chalcopyrite, 1 spinel
99-M-242	Hornblende-almandine-hematite/epidote-diopside-titanite assemblage.	
99-M-243	Hornblende-almandine-hematite/epidote-diopside-titanite assemblage.	0.25-0.5 mm fraction: 1 spinel, 3 red rutile, 1 Mn-epidote
99-M-245	Almandine-hornblende-hematite/epidote-diopside-titanite assemblage.	0.25-0.5 mm fraction: 1 spinel, 6 red rutile, 1 Mn-epidote, 1 low-Cr diopside
99-M-246	Hornblende-almandine-hematite/epidote-diopside assemblage.	0.25-0.5 mm fraction: 1 chalcopyrite, 2 red rutile
99-M-248	Hornblende-almandine-hematite/epidote-diopside-titanite assemblage. SEM checks from 0.25-0.5 mm fraction: 4 spessartine versus almandine candidates = 1 spessartine, 1 Mn-almandine and 2 almandine.	0.5-1.0 mm fraction: 1 low-Cr diopside, 0.25-0.5 mm fraction: 1 spessartine, 3 almandine resembling spessartine
99-M-249	Hornblende-almandine/epidote-diopside-titanite assemblage.	0.25-0.5 mm fraction: 1 red rutile
99-M-250	Hornblende-almandine-hematite/epidote-diopside-titanite assemblage.	0.25-0.5 mm fraction: 1 low-Cr diopside
99-M-251	Hornblende-almandine/epidote-diopside assemblage.	
99-M-252	Almandine-hornblende-hematite/diopside-epidote-titanite assemblage. SEM checks from 0.25-0.5 mm fraction: 4 spessartine versus almandine candidates = 3 spessartine and 1 almandine.	0.25-0.5 mm fraction: 3 spessartine, 1 almandine resembling spessartine, 1 chromite (picked as KIM)
99-M-253	Almandine-hornblende-he	0.5-1.0 mm fraction: 1 spessartine, 0.25-0.5 mm fraction: 3 spessartine, 1 Mn-almandine resembling spessartine, 3 chromite (picked as KIMs)
99-M-257	Almandine-hornblende/epidote-diopside-titanite assemblage. SEM checks from 0.25-0.5 mm fraction: 3 green gahnite versus spinel candidates = 1 gahnite and 2 spinel; and 1 sapphire corundum candidate = 1 sapphire corundum.	0.5-1.0 mm fraction: 1 chromite (picked as KIM), 0.25-0.5 mm fraction: 3 chalcopyrite, 1 gahnite, 4 spinel, 1 red rutile, 1 sapphire corundum, 3 low-Cr diopside
99-M-259	Hornblende-almandine-hematite/epidote-diopside assemblage.	0.25-0.5 mm fraction: 1 chalcopyrite
99-M-260	Hornblende-almandine-hematite/epidote-diopside-titanite assemblage.	0.25-0.5 mm fraction: 1 Mn-epidote
99-M-261	Almandine-hornblende-hematite-augite/ epidote-diopside-titanite assemblage.	0.5-1.0 mm fraction: 1 chromite (picked as KIM), 0.25-0.5 mm fraction: 1 low-Cr diopside, 2 chromite (picked as KIMs)
99-M-262	Hornblende-almandine-augite/epidote-diopside assemblage.	0.25-0.5 mm fraction: 2 red rutile, 1 low-Cr diopside
99-M-263	Almandine-hornblende/epidote-diopside assemblage.	0.25-0.5 mm fraction: 4 red rutile
99-M-264	Almandine-hornblende-hematite/epidote-diopside-titanite assemblage.	0.25-0.5 mm fraction: 2 spinel
99-M-265	Hornblende-almandine/epidote-diopside assemblage.	0.25-0.5 mm fraction: 1 chalcopyrite, 1 red rutile, 2 low-Cr diopside

Sample Site	Remarks	Picked Grains
99-M-266	Almandine-hornblende-hematite/epidote-diopside assemblage.	0.25-0.5 mm fraction: 3 red rutile, 1 low-Cr diopside
99-M-267	Hornblende-almandine/epidote-diopside-titanite assemblage. SEM check from 0.25-0.5 mm fraction: 1 green gahnite versus spinel candidate = 1 spinel.	0.25-0.5 mm fraction: 1 chalcopyrite, 1 spinel
99-M-268	Hornblende-almandine/epidote-diopside assemblage.	
99-M-269	Hornblende-almandine/epidote-diopside-titanite assemblage.	0.25-0.5 mm fraction: 1 chalcopyrite
99-M-271	Hornblende-almandine/epidote-diopside assemblage.	0.25-0.5 mm fraction: 1 red rutile, 1 chromite (picked as KIM)
99-M-272	Almandine-hornblende/epidote-diopside-titanite assemblage.	0.25-0.5 mm fraction: 1 spinel, 1 red rutile, 1 Mn-epidote, 2 chromite (picked as KIMs)
99-M-273	Hornblende-almandine-hematite/epidote-diopside assemblage. SEM checks from 0.25-0.5 mm fraction: 4 spessartine versus almandine candidates = 1 spessartine and 3 almandine.	0.5-1.0 mm fraction: 1 low-Cr diopside, 0.25-0.5 mm fraction: 1 red rutile, 1 low-Cr diopside, 1 spessartine, 3 almandine resembling spessartine
99-M-274	Hornblende-almandine/epidote-diopside assemblage. SEM checks from 0.25-0.5 mm fraction: 4 spessartine versus almandine candidates = 1 spessartine and 3 almandine.	0.25-0.5 mm fraction: 1 spessartine, 3 almandine resembling spessartine
99-M-275	Hornblende-almandine/epidote-diopside-titanite assemblage. SEM checks from 0.25-0.5 mm fraction: 4 spessartine versus almandine candidates = 2 spessartine and 2 almandine.	0.25-0.5 mm fraction: 1 spinel, 2 red rutile, 2 spessartine, 2 almandine resembling spessartine
99-M-276	Almandine-hornblende/epidote-diopside-titanite assemblage.	0.25-0.5 mm fraction: 3 red rutile, 1 low-Cr diopside
99-M-277	Hornblende-almandine-hematite/epidote-diopside assemblage. SEM check from 0.25-0.5 mm fraction: 1 red Mn-epidote versus monazite candidate = 1 monazite.	0.25-0.5 mm fraction: 3 red rutile, 1 low-Cr diopside, 1 monazite resembling Mn-epidote
99-M-278	Hornblende-almandine/epidote-diopside assemblage. SEM check from 0.25-0.5 mm fraction: 1 red Mn-epidote versus monazite candidate = 1 Mn-epidote.	0.25-0.5 mm fraction: 1 spinel, 1 red rutile, 1 Mn-epidote, 1 low-Cr diopside
99-M-279	Hornblende-almandine/epidote-diopside assemblage.	0.25-0.5 mm fraction: 1 chalcopyrite, 1 red rutile, 1 low-Cr diopside
99-M-280	Hornblende-almandine/epidote-diopside assemblage.	0.25-0.5 mm fraction: 3 red rutile
99-M-281	Goethite-hornblende-almandine/epidote-diopside-titanite assemblage. Goethite occurs mainly in schistose lithic grains which report to all paramagnetic and nonparamagnetic fractions.	0.25-0.5 mm fraction: 2 red rutile
99-M-282	Hornblende-almandine-hematite/epidote-diopside assemblage.	0.25-0.5 mm fraction: 2 red rutile
99-M-284	Hornblende-almandine-hematite/epidote-diopside-titanite assemblage.	0.25-0.5 mm fraction: 1 spinel, 1 red rutile, 2 low-Cr diopside
99-M-286	Hornblende-almandine-ilmenite/epidote-diopside-titanite assemblage.	0.25-0.5 mm fraction: 3 spinel, 2 red rutile, 1 low-Cr diopside
99-M-287	Hornblende-almandine/epidote-diopside-titanite assemblage.	0.25-0.5 mm fraction: 1 low-Cr diopside
99-M-288	Hornblende-almandine-augite/epidote-diopside assemblage. SEM check from 0.25-0.5 mm fraction: 1 green spinel versus pyroxene candidate = 1 hedenbergite.	0.25-0.5 mm fraction: 1 chalcopyrite, 4 red rutile, 1 low-Cr diopside, 1 hedenbergite resembling spinel
99-M-289	Hornblende-almandine/epidote-diopside assemblage.	0.25-0.5 mm fraction: 3 red rutile
99-M-290	Hornblende-almandine/epidote-diopside-titanite assemblage.	0.25-0.5 mm fraction: 1 chalcopyrite, 3 red rutile, 1 low-Cr diopside
99-M-291	Hornblende-almandine/epidote-diopside-titanite assemblage. SEM checks from 0.25-0.5 mm fraction: 4 spessartine versus almandine candidates = 1 spessartine and 3 almandine.	0.25-0.5 mm fraction: 1 chalcopyrite, 1 spessartine, 3 almandine resembling spessartine
99-M-292	Hornblende-almandine-augite-hematite/ epidote-diopside-titanite assemblage.	0.25-0.5 mm fraction: 2 spinel, 1 low-Cr diopside
99-M-293	Hornblende-almandine-hematite/epidote-diopside-titanite assemblage.	0.25-0.5 mm fraction: 3 red rutile, 1 low-Cr diopside
99-M-294	Almandine-hornblende-hematite/epidote-diopside-titanite assemblage.	0.25-0.5 mm fraction: 1 spinel, 1 low-Cr diopside, 2 chromite (picked as KIMs)
99-M-295	Hornblende-almandine/epidote-diopside-titanite assemblage.	0.25-0.5 mm fraction: 2 spinel, 2 red rutile, 4 low-Cr diopside
99-M-296	Hornblende-almandine/epidote-diopside-titanite assemblage.	0.25-0.5 mm fraction: 5 red rutile
99-M-297	Hornblende-almandine/epidote-diopside assemblage.	0.25-0.5 mm fraction: 1 spinel
99-M-298	Hornblende-almandine-augite/epidote-diopside-titanite assemblage. SEM checks from 0.25-0.5 mm fraction: 1 colourless spinel candidate = 1 spinel; and 1 ruby corundum versus almandine candidate = 1 ruby corundum.	0.25-0.5 mm fraction: 1 chalcopyrite, 1 spinel, 3 red rutile, 1 ruby corundum, 2 low-Cr diopside
99-M-300	Hornblende-almandine/epidote-diopside-titanite assemblage.	0.25-0.5 mm fraction: 1 chalcopyrite

Sample Site	Remarks	Picked Grains
99-M-301	Hornblende-almandine/epidote-diopside-titanite assemblage.	
99-M-302	Hornblende-almandine/epidote-diopside-titanite assemblage.	0.25-0.5 mm fraction: 2 red rutile
99-M-303	Hornblende-almandine-augite/epidote-diopside-titanite assemblage.	0.25-0.5 mm fraction: 1 spinel, 1 red rutile
99-M-304	Hornblende-almandine-hematite/epidote-diopside-titanite assemblage.	0.25-0.5 mm fraction: 1 spinel, 2 low-Cr diopside, 1 chromite (picked as KIM)
99-M-305	Hornblende-almandine-augite-hematite/ epidote-diopside-titanite assemblage.	0.5-1.0 mm fraction: 1 Mn-epidote, 0.25-0.5 mm fraction: 2 spinel
99-M-306	Hornblende-almandine/epidote-diopside-titanite assemblage.	0.25-0.5 mm fraction: 2 chalcopyrite, 1 gahnite, 1 spinel, 2 low-Cr diopside, 1 chromite (picked as KIM)
99-M-307	Hornblende-almandine-augite/epidote-diopside-titanite assemblage.	
99-M-308	Hornblende-almandine-hematite/epidote-diopside-titanite assemblage.	0.25-0.5 mm fraction: 3 chromite (picked as KIMs)
99-M-309	Hornblende-almandine/epidote-diopside assemblage.	0.5-1.0 mm fraction: 1 chromite (picked as KIM), 0.25-0.5 mm fraction: 1 chromite (picked as KIM)
99-M-310	Hornblende-almandine/epidote-diopside-titanite assemblage.	0.25-0.5 mm fraction: 1 red rutile
99-M-311	Hornblende-almandine-augite/epidote-diopside-titanite assemblage.	0.25-0.5 mm fraction: 1 red rutile
99-M-312	Hornblende-almandine-hematite/epidote-diopside-titanite assemblage.	0.25-0.5 mm fraction: 1 chalcopyrite, 1 red rutile, 3 chromite (picked as KIM)
99-M-313	Hornblende-almandine-augite/epidote-diopside-titanite assemblage.	
99-M-314	Hornblende-almandine-augite/epidote-diopside-titanite assemblage.	0.25-0.5 mm fraction: 1 spinel, 2 red rutile, 1 low-Cr diopside
99-M-315	Almandine-hornblende-hematite/epidote-diopside-titanite assemblage.	0.25-0.5 mm fraction: 1 red rutile
99-M-316	Hornblende-almandine-hematite-augite/ epidote-diopside-titanite assemblage. SEM check from 0.25-0.5 mm fraction: 1 dark green gahnite versus pyroxene candidate = 1 common spinel.	0.25-0.5 mm fraction: 1 spinel, 1 red rutile
99-M-317	Almandine-hornblende/epidote-diopside-titanite assemblage.	
99-M-319	Hornblende-almandine-ilmenite/epidote-diopside assemblage.	0.25-0.5 mm fraction: 4 red rutile, 1 low-Cr diopside
99-M-320	Hornblende-almandine-hematite/epidote-diopside assemblage.	0.25-0.5 mm fraction: 1 chalcopyrite, 1 red rutile
99-M-324	Hornblende-almandine-augite/epidote-diopside-titanite assemblage.	0.25-0.5 mm fraction: 2 red rutile
99-M-326	Hornblende-almandine/epidote-diopside assemblage. SEM check from 0.25-0.5 mm fraction: 1 blue spinel versus sapphirine candidate = 1 spinel + quartz.	0.25-0.5 mm fraction: 1 spinel + quartz, 3 red rutile, 1 low-Cr diopside
99-M-327	Hornblende-almandine-augite/epidote-diopside assemblage.	0.25-0.5 mm fraction: 2 chalcopyrite, 1 spinel, 2 red rutile, 1 low-Cr diopside, 1 chromite (picked as KIM)
99-M-329	Hornblende-almandine-augite/epidote-diopside assemblage.	0.25-0.5 mm fraction: 1 Mn-epidote, 2 low-Cr diopside
99-M-330	Hornblende-almandine/epidote-diopside-titanite assemblage.	0.25-0.5 mm fraction: 4 red rutile, 1 chromite (picked as KIM)
99-M-331	Hornblende-almandine/epidote-diopside-titanite assemblage.	0.25-0.5 mm fraction: 1 spinel, 1 red rutile
99-M-332	Hornblende-almandine/epidote-diopside-titanite assemblage.	0.25-0.5 mm fraction: 2 red rutile, 1 low-Cr diopside
99-M-334	Hornblende-almandine-hematite/epidote-diopside assemblage.	0.25-0.5 mm fraction: 1 spinel, 5 red rutile, 1 chromite (picked as KIM)
99-M-335	Hornblende-almandine-augite/epidote-diopside-titanite assemblage.	0.25-0.5 mm fraction: 1 spinel, 12 red rutile, 1 low-Cr diopside, 1 chromite (picked as KIM)
99-M-338	Almandine-hornblende/epidote-diopside-titanite assemblage. SEM check from 0.25-0.5 mm fraction: 1 ruby corundum versus almandine candidate = 1 ruby corundum.	0.25-0.5 mm fraction: 1 chalcopyrite, 1 spinel, 3 red rutile, 1 ruby corundum, 1 low-Cr diopside
99-M-339	Hornblende-almandine/epidote-diopside-titanite assemblage.	0.25-0.5 mm fraction: 3 spinel, 1 red rutile
99-M-341	Hornblende-almandine/epidote-diopside assemblage.	0.25-0.5 mm fraction: 2 red rutile
99-M-342	Almandine-hornblende/epidote-diopside assemblage. SEM check from 0.25-0.5 mm fraction: 1 green gahnite versus pyroxene candidate = 1 augite.	0.25-0.5 mm fraction: 2 red rutile, 1 augite resembling gahnite
99-M-343	Hornblende-almandine-hematite/epidote-diopside-titanite assemblage. SEM check from 0.25-0.5 mm fraction: 1 green gahnite versus spinel candidate = 1 spinel.	0.25-0.5 mm fraction: 3 spinel, 5 red rutile
99-M-344	Hornblende-almandine-hematite/epidote-diopside-titanite assemblage.	0.25-0.5 mm fraction: 1 chalcopyrite, 1 red rutile
99-M-345	Hornblende-almandine/epidote-diopside-titanite assemblage.	0.25-0.5 mm fraction: 3 red rutile

Sample Site	Remarks	Picked Grains
99-M-346	Almandine-hornblende/epidote-diopside assemblage.	0.25-0.5 mm fraction: 1 chalcopyrite, 3 red rutile
99-M-347	Almandine-hornblende-hematite/epidote-diopside assemblage.	0.25-0.5 mm fraction: 2 spinel, 1 red rutile
99-M-349	Hornblende-almandine-hematite/epidote-diopside assemblage.	0.25-0.5 mm fraction: 1 red rutile, 1 ruby corundum, 1 low-Cr diopside, 1 chromite (picked as KIM)
99-M-350	Hornblende-almandine-augite/epidote-diopside-titanite assemblage.	0.5-1.0 mm fraction: 1 chalcopyrite, 0.25-0.5 mm fraction: 6 chalcopyrite
99-M-351	Hornblende-almandine/epidote-diopside-titanite assemblage.	

Sample Site	Mineral Assemblage	Remarks
99-M-2	Hornblende-almandine-augite/epidote-diopside-titanite	
99-M-3	Hornblende-almandine/epidote-diopside	
99-M-4	Hornblende-almandine-ilmenite/epidote-diopside-titanite	
99-M-5	Hornblende-almandine-hematite/epidote-diopside-titanite	
99-M-7	Hornblende-almandine/epidote-diopside	
99-M-8	Hornblende-almandine/epidote-diopside	
99-M-9	Hornblende-almandine-ilmenite/epidote-diopside-titanite	
99-M-10	Hornblende-almandine/epidote-diopside-titanite	
99-M-11	Hornblende-almandine-hematite/epidote-diopside-titanite	
99-M-12	Hornblende-almandine/epidote-diopside-titanite	
99-M-13	Hornblende-almandine-ilmenite/epidote-diopside-titanite	
99-M-14	Hornblende-almandine-hematite/epidote-diopside	
99-M-15	Hornblende-almandine-augite/epidote-diopside-titanite	SEM checks from 0.25-0.5 mm fraction: 2 pale blue-green gahnite versus spinel candidates = 2 spinel.
99-M-16	Hornblende-augite-almandine/epidote-diopside-titanite	SEM checks from 0.25-0.5 mm fraction: 7 blue sapphirine versus spinel candidates = 5 sapphirine and 2 spinel.
99-M-17	Hornblende-almandine/epidote-diopside-titanite	
99-M-18	Hornblende-almandine/epidote-diopside-titanite	SEM check from 0.25-0.5 mm fraction: 1 pink spinel versus almandine candidate = 1 zircon.
99-M-19	Hornblende-almandine/epidote-diopside-titanite	
99-M-21	Hornblende-almandine/epidote-titanite-diopside	SEM check from 0.25-0.5 mm fraction: 1 dark blue spinel versus gahnite candidate = 1 spinel.
99-M-25	Hornblende-almandine-hematite/epidote-diopside-titanite	
99-M-26	Hornblende-almandine-hematite/epidote-titanite	
99-M-27	Hornblende-almandine-hematite/epidote-diopside	SEM checks from 0.25-0.5 mm fraction: 1 grey corundum versus epidote candidate = 1 epidote; 1 brown dravite tourmaline versus staurolite candidate = 1 staurolite; and 1 pink spinel versus zircon candidate = 1 zircon.
99-M-28	Almandine-hornblende-hematite/epidote-titanite-diopside	
99-M-29	Almandine-hornblende-hematite/epidote-titanite-diopside	
99-M-30	Hornblende-almandine-hematite/epidote-diopside	SEM check from 0.5-1.0 mm fraction: 1 red-orange spessartine versus staurolite candidate = 1
99-M-31	Almandine-hornblende/epidote-diopside	
99-M-32	Almandine-hornblende-hematite/epidote-titanite	

Sample Site	Mineral Assemblage	Remarks
99-M-33	Hornblende-almandine/epidote-diopside	SEM check from 0.25-0.5 mm fraction: 1 blue-green gahnite versus diopside candidate = 1 gahnite.
99-M-34	Hornblende-almandine/epidote-diopside	SEM check from 0.25-0.5 mm fractioin: 1 grey spinel versus epidote candidate = 1 andalusite.
99-M-35	Hornblende-almandine-hematite/epidote-diopside	
99-M-36	Almandine-hornblende-hematite/epidote-diopside	
99-M-39	Almandine-hornblende-hematite/epidote	
99-M-40	Hornblende-almandine-hematite/epidote-titanite	
99-M-41	Hornblende-almandine-hematite/epidote-titanite	
99-M-42	Hornblende-almandine-hematite/epidote-titanite-diopside	
99-M-43	Hornblende-almandine-augite-hematite/ epidote-diopside-titanite	
99-M-44	Almandine-hornblende-augite/epidote	SEM checks from 0.25-0.5 mm fraction: 2 colourless spinel versus diopside candidates = 2 common spinel.
99-M-45	Hornblende-almandine-hematite/epidote-diopside-titanite	SEM check from 0.25-0.5 mm fraction: 1 pale blue spinel versus apatite candidate = 1 common spinel.
99-M-46	Hornblende-almandine/epidote-diopside-titanite	
99-M-47	Hornblende-almandine-hematite/epidote-titanite	SEM check from 0.25-0.5 mm fraction: 1 colourless spinel versus epidote candidate = 1 common spinel.
99-M-48	Hornblende-almandine-augite/epidote-diopside	
99-M-49	Hornblende-almandine-hematite/epidote-diopside-titanite	
99-M-50	Hornblende-hematite-almandine/epidote-diopside-titanite	
99-M-51	Hornblende-ilmenite-almandine/epidote-diopside-titanite	
99-M-52	Hornblende-augite-almandine/epidote-titanite	
99-M-53	Almandine-hematite-hornblende/epidote-diopside-titanite	SEM check from 0.25-0.5 mm fraction: 1 colourless spinel versus topaz candidate = 1 spinel.
99-M-54	Hornblende-almandine-hematite/diopside-epidote-titanite	
99-M-55	Hornblende-hematite-almandine/epidote-diopside-titanite	
99-M-56	Almandine-hematite-hornblende/epidote-diopside-titanite	
99-M-57	Hornblende-hematite-almandine/epidote-diopside-titanite	
99-M-59	Almandine-hornblende-hematite/epidote-diopside-titanite	
99-M-63	Hematite-almandine-hornblende/diopside-epidote	SEM check from 0.25-0.5 mm fraction: 1 ruby corundum versus almandine candidate = 1 ruby corundum.
99-M-64	Hornblende-almandine-augite-hematite/ epidote-diopside-titanite	SEM check from 0.25-0.5 mm fraction: 1 blue sapphire corundum versus spinel candidate = 1 sapphire corundum.
99-M-65	Hornblende-almandine-hematite/epidote-diopside	
99-M-66	Almandine-hornblende-hematite/epidote-diopside-titanite	
99-M-67	Hornblende-almandine-hematite/epidote-diopside-titanite	
99-M-68	Hornblende-almandine-hematite/epidote-diopside-titanite	
99-M-69	Hornblende-almandine/epidote-diopside	Undersized concentrate.
99-M-70	Almandine-augite-hornblende/diopside	

Sample Site	Mineral Assemblage	Remarks
99-M-71	Hornblende-almandine-hematite/epidote-diopside-titanite	
99-M-73	Hornblende-hematite-almandine/epidote-diopside-titanite	
99-M-74	Hornblende-almandine-hematite/epidote-diopside	
99-M-75	Hornblende-almandine-hematite/epidote-diopside-titanite	
99-M-76	Hornblende-almandine-hematite/epidote-diopside-titanite	
99-M-77	Hornblende-almandine-hematite/epidote-diopside-titanite	
99-M-78	Hornblende-almandine-hematite/epidote-diopside-titanite	
99-M-79	Hornblende-almandine-hematite/epidote-diopside	
99-M-80	Hornblende-almandine-hematite/epidote-diopside-titanite	SEM check from 0.25-0.5 mm fraction: 1 pale purple spinel versus kyanite candidate = 1 spinel.
99-M-81	Hornblende-almandine/epidote-diopside	
99-M-82	Hornblende-almandine-hematite/epidote-diopside-titanite	
99-M-83	Hornblende-almandine-hematite/epidote-diopside-titanite	SEM checks from 0.25-0.5 mm fraction: 1 green gahnite versus spinel candidate = 1 gahnite; and 1 Mn-epidote versus apatite candidate = 1 apatite.
99-M-84	Hornblende-augite-hematite/epidote-diopside	
99-M-85	Hornblende-almandine-hematite/epidote-titanite-diopside	
99-M-86	Hornblende-almandine-hematite/epidote-titanite	
99-M-87	Hornblende-almandine-hematite/epidote-diopside-titanite	SEM check from 0.5-1.0 mm fraction: 1 red-orange spessartine versus almandine candidate = 1 almandine.
99-M-89	Hornblende-almandine-hematite/epidote-diopside	
99-M-90	Hornblende-almandine-hematite/epidote-diopside-titanite	
99-M-91	Hornblende-almandine-hematite/epidote-diopside-titanite	SEM check from 0.25-0.5 mm fraction: 1 colourless spinel versus quartz candidate = 1 spinel.
99-M-93	Hornblende-almandine-hematite/epidote-diopside-titanite	SEM check from 0.25-0.5 mm fraction: 1 green uvarovite versus Cr-grossular candidate = 1 Cr-andradite.
99-M-94	Almandine-hornblende-hematite/epidote-diopside-titanite	
99-M-95	Hornblende-almandine-hematite/epidote-diopside-titanite	
99-M-97	Almandine-hornblende-hematite/epidote-diopside	
99-M-98	Hornblende-almandine-hematite/epidote-diopside-titanite	
99-M-100	Almandine-hornblende-hematite/epidote-diopside-titanite	
99-M-101	Almandine-hornblende-hematite/epidote-diopside	SEM check from 0.25-0.5 mm fraction: 1 pale pink spinel versus almandine candidate = 1 ruby corundum.
99-M-102	Hornblende-almandine-augite/epidote-diopside-titanite	
99-M-104	Almandine-hornblende/epidote-diopside-titanite	

Sample Site	Mineral Assemblage	Remarks
99-M-105	Hornblende-almandine-augite/epidote-diopside-titanite	
99-M-106	Almandine-hornblende-hematite/epidote-diopside-titanite	
99-M-107	Hornblende-almandine-augite/epidote-diopside-titanite	SEM check from 0.25-0.5 mm fraction: 1 ruby corundum versus almandine candidate = 1 Mg-almandine.
99-M-108	Hornblende-almandine-hematite/epidote-diopside-titanite	SEM check from 0.25-0.5 mm fraction: 1 ruby corundum versus almandine candidate = 1 spinel.
99-M-109	Hornblende-almandine/epidote-diopside	SEM check from 0.5-1.0 mm fraction: 1 ruby corundum versus almandine candidate = 1 almandine. SEM check from 0.25-0.5 mm fraction: 1 ruby corundum versus almandine candidate = 1 almandine.
99-M-111	Hornblende-almandine-hematite/epidote-titanite-diopside	
99-M-112	Hornblende-almandine-hematite/epidote-diopside-titanite	SEM checks from 0.25-0.5 mm fraction: 2 gahnite versus spinel candidates = 2 spinel; 3 ruby corundum versus almandine candidates = 1 ruby corundum and 2 andalusite; and 1 Mn-epidote versus monazite candidate = 1 monazite.
99-M-113	Hornblende-almandine/epidote-diopside	
99-M-114	Hornblende-almandine-hematite/epidote-diopside-titanite	
99-M-115	Hornblende-almandine/epidote-diopside-titanite	
99-M-116	Almandine-hornblende-augite/epidote-diopside	
99-M-118	Almandine-hornblende-hematite/epidote-diopside	SEM checks from 0.25-0.5 mm fraction: 1 ruby corundum versus almandine candidate = 1 almandine; and 1 blue sapphire corundum versus kyanite candidate = 1 kyanite.
99-M-121	Hornblende-almandine/epidote-diopside	
99-M-123	Hornblende-almandine/epidote-diopside	SEM check from 0.25-0.5 mm fraction: 1 gahnite versus pyroxene candidate = 1 diopside-hedenbergite.
99-M-124	Hornblende-almandine/epidote-diopside	SEM check from 0.25-0.5 mm fraction: 1 ruby corundum versus almandine candidate = 1 almandine.
99-M-125	Hornblende-almandine-augite/epidote-diopside	
99-M-126	Hornblende-almandine-augite/epidote-diopside	
99-M-127	Almandine-hornblende-hematite/epidote-diopside	
99-M-129	Hornblende-almandine/epidote-diopside	
99-M-131	Hornblende-almandine-augite/epidote-diopside-titanite	
99-M-134	Almandine-hornblende-hematite/epidote-diopside	
99-M-135	Hornblende-almandine-augite-hematite/ epidote-diopside	
99-M-136	Hornblende-almandine/epidote-diopside	

Sample Site	Mineral Assemblage	Remarks
99-M-139	Almandine-hornblende-hematite/epidote-diopside-titanite	
99-M-140	Hornblende-almandine-orthopyroxene/ epidote-diopside	
99-M-142	Hornblende-almandine-hematite/epidote-diopside	
99-M-145	Hornblende-almandine-hematite/epidote-diopside	
99-M-146	Hornblende-almandine-hematite/epidote-diopside-titanite	
99-M-147	Hornblende-almandine-augite-hematite/ epidote-diopside	
99-M-148	Hornblende-almandine-hematite/epidote-diopside	
99-M-149	Hornblende-almandine-hematite/epidote-diopside	
99-M-150	Hornblende-almandine-hematite/epidote-diopside	
99-M-151	Almandine-hornblende-hematite/epidote-diopside-titanite	
99-M-152	Hornblende-almandine-hematite/epidote-diopside	
99-M-154	Hornblende-almandine-augite/epidote-diopside-titanite	
99-M-155	Hornblende-almandine-augite-hematite/ epidote-diopside	
99-M-156	Hornblende-almandine-augite-hematite/ epidote-diopside-titanite	
99-M-157	Hornblende-almandine-augite-ilmenite/ epidote-diopside-titanite	
99-M-201	Grunerite-almandine-hornblende-hematite/ epidote-diopside-titanite	SEM check from 0.25-0.5 mm fraction: 1 fibrous augite versus amphibole candidate = 1 Fe-silicate (grunerite). 1% finely crystalline pyrite (± grunerite) in <0.6 amp fraction of 0.25-0.5 mm.
99-M-202	Hornblende-almandine-hematite/epidote-diopside-titanite	SEM check from 0.25-0.5 mm fraction: 1 green gahnite versus spinel candidate = 1 hercynite.
99-M-203	Hornblende-almandine-hematite/epidote-diopside-titanite	
99-M-204	Hornblende-almandine-hematite/epidote-diopside-titanite	
99-M-205	Hornblende-almandine-hematite/epidote-diopside-titanite	
99-M-206	Hornblende-almandine-hematite/epidote-diopside-titanite	
99-M-207	Hornblende-hematite-almandine-augite/ epidote-diopside-titanite	
99-M-208	Almandine-hornblende-augite/epidote -diopside-titanite	
99-M-209	Hornblende-almandine-hematite/epidote-diopside-titanite	
99-M-210	Hornblende-almandine-hematite/epidote-diopside-titanite	
99-M-211	Hornblende-almandine-hematite/epidote-diopside-titanite	
99-M-212	Hornblende-almandine-hematite/epidote-diopside-titanite	
99-M-213	Hornblende-almandine-augite/epidote-diopside-titanite	
99-M-214	Grunerite-almandine-hornblende/epidote-diopside-titanite	
99-M-215	Hornblende-almandine-augite/epidote-diopside-titanite	
99-M-217	Almandine-hornblende-hematite/epidote-diopside-titanite	
99-M-218	Hornblende-almandine-hematite/epidote -diopside-titanite	SEM checks from 0.25-0.5 mm fraction: 3 spessartine versus almandine candidates = 3 almandine.
99-M-219	Hornblende-almandine-augite-hematite/ epidote-diopside-titanite	
99-M-220	Hornblende-almandine-hematite/epidote -diopside-titanite	
99-M-221	Hornblende-almandine-hematite/epidote -diopside-pyrite	
99-M-223	Hornblende-almandine-hematite/diopside -epidote-titanite	SEM checks from 0.25-0.5 mm fraction: 4 spessartine versus almandine candidates = 3 almandine and 1 staurolite.
99-M-224	Hornblende-hematite-almandine/epidote -diopside-titanite	

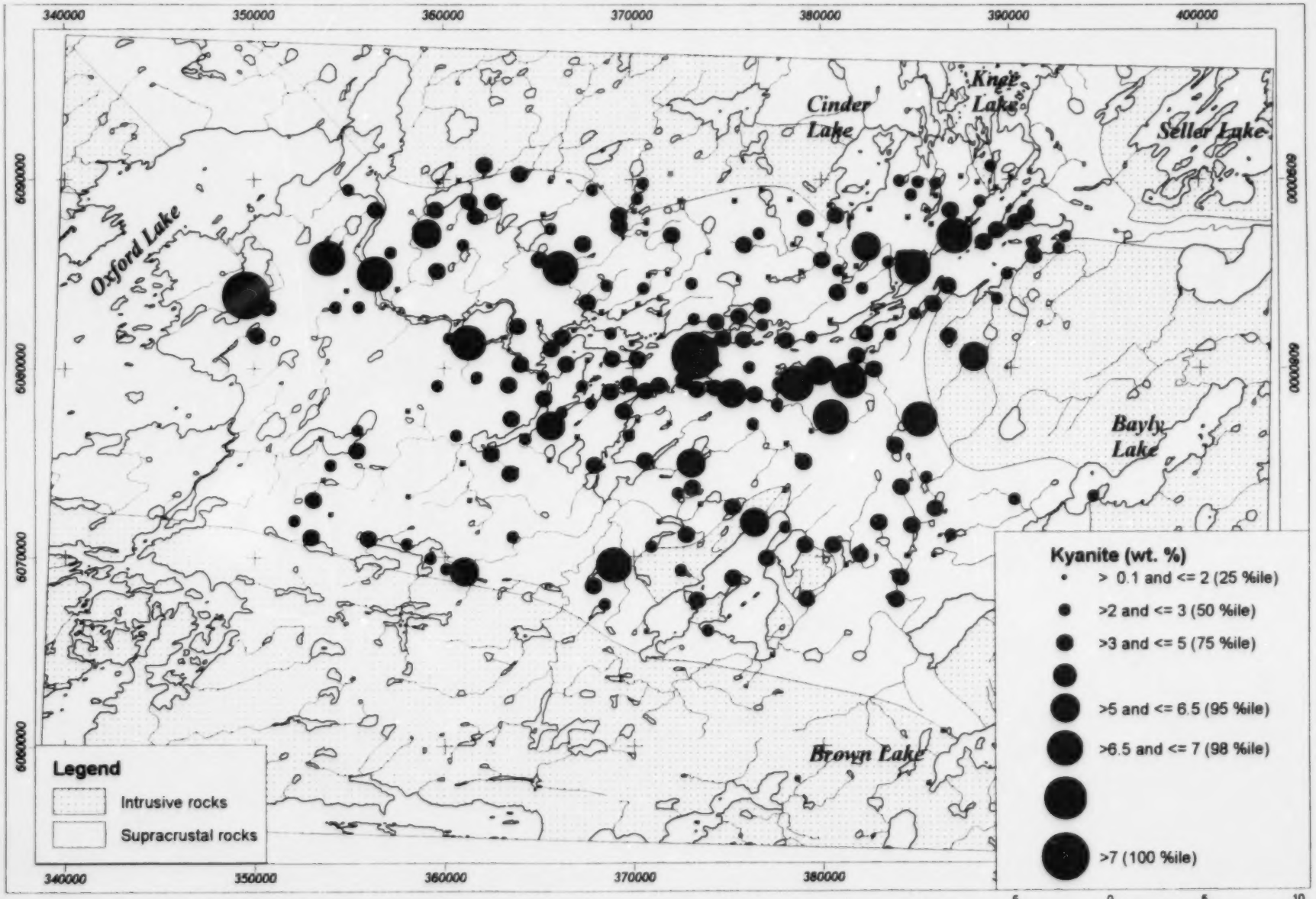
Sample Site	Mineral Assemblage	Remarks
99-M-225	Hornblende-almandine-augite-hematite/ epidote-diopside-titanite	SEM check from 0.5-1.0 mm fraction: 1 spinel versus almandine candidate = 1 spinel.
99-M-226	Hornblende-almandine-hematite/epidote -diopside-titanite	
99-M-227	Hornblende-almandine-augite/epidote-diopside-titanite	SEM checks from 0.25-0.5 mm fraction: 2 spessartine versus almandine candidates = 2 spessartine.
99-M-228	Hornblende-almandine-augite-hematite/ epidote-diopside	
99-M-229	Hornblende-almandine-hematite/epidote-diopside	
99-M-230	Hornblende-almandine-augite-hematite/ epidote-diopside	
99-M-233	Hornblende-almandine-hematite-augite/ epidote-diopside-titanite	
99-M-234	Hornblende-almandine-augite/epidote-diopside-titanite	
99-M-235	Hornblende-almandine-hematite-augite/ epidote-diopside-titanite	
99-M-236	Hornblende-almandine-augite-hematite/ epidote-diopside-titanite	
99-M-237	Hornblende-almandine-augite-hematite/ epidote-titanite-diopside	
99-M-238	Hornblende-almandine-augite/epidote-diopside-titanite	
99-M-239	Hornblende-almandine-hematite-augite/ epidote-diopside-titanite	
99-M-240	Hornblende-almandine-augite/epidote-diopside-titanite	
99-M-241	Hornblende-almandine-hematite/epidote-diopside-titanite	
99-M-242	Hornblende-almandine-hematite/epidote-diopside-titanite	
99-M-243	Hornblende-almandine-hematite/epidote-diopside-titanite	
99-M-245	Almandine-hornblende-hematite/epidote-diopside-titanite	
99-M-246	Hornblende-almandine-hematite/epidote-diopside	
99-M-248	Hornblende-almandine-hematite/epidote-diopside-titanite	SEM checks from 0.25-0.5 mm fraction: 4 spessartine versus almandine candidates = 1 spessartine, 1 Mn-almandine and 2 almandine.
99-M-249	Hornblende-almandine/epidote-diopside-titanite	
99-M-250	Hornblende-almandine-hematite/epidote-diopside-titanite	
99-M-251	Hornblende-almandine/epidote-diopside	
99-M-252	Almandine-hornblende-hematite/diopside-epidote-titanite	SEM checks from 0.25-0.5 mm fraction: 4 spessartine versus almandine candidates = 3 spessartine and 1 almandine.
99-M-253	Almandine-hornblende-hematite/epidote-diopside-titanite	SEM check from 0.5-1.0 mm fraction: 1 spessartine versus almandine candidate = 1 spessartine. SEM checks from 0.25-0.5 mm fraction: 4 spessartine versus almandine candidates = 3 spessartine and 1 Mn-almandine.
99-M-257	Almandine-hornblende/epidote-diopside-titanite	SEM checks from 0.25-0.5 mm fraction: 3 green gahnite versus spinel candidates = 1 gahnite and 2 spinel; and 1 sapphire corundum candidate = 1 sapphire corundum.
99-M-259	Hornblende-almandine-hematite/epidote-diopside	
99-M-260	Hornblende-almandine-hematite/epidote-diopside-titanite	
99-M-261	Almandine-hornblende-hematite-augite/ epidote-diopside-titanite	
99-M-262	Hornblende-almandine-augite/epidote-diopside	
99-M-263	Almandine-hornblende/epidote-diopside	
99-M-264	Almandine-hornblende-hematite/epidote-diopside-titanite	
99-M-265	Hornblende-almandine/epidote-diopside	

Sample Site	Mineral Assemblage	Remarks
99-M-266	Almandine-hornblende-hematite/epidote-diopside	
99-M-267	Hornblende-almandine/epidote-diopside-titanite	SEM check from 0.25-0.5 mm fraction: 1 green gahnite versus spinel candidate = 1 spinel.
99-M-268	Hornblende-almandine/epidote-diopside	
99-M-269	Hornblende-almandine/epidote-diopside-titanite	
99-M-271	Hornblende-almandine/epidote-diopside	
99-M-272	Almandine-hornblende/epidote-diopside-titanite	
99-M-273	Hornblende-almandine-hematite/epidote-diopside	SEM checks from 0.25-0.5 mm fraction: 4 spessartine versus almandine candidates = 1 spessartine and 3 almandine.
99-M-274	Hornblende-almandine/epidote-diopside	SEM checks from 0.25-0.5 mm fraction: 4 spessartine versus almandine candidates = 1 spessartine and 3 almandine.
99-M-275	Hornblende-almandine/epidote-diopside-titanite	SEM checks from 0.25-0.5 mm fraction: 4 spessartine versus almandine candidates = 2 spessartine and 2 almandine.
99-M-276	Almandine-hornblende/epidote-diopside-titanite	
99-M-277	Hornblende-almandine-hematite/epidote-diopside	SEM check from 0.25-0.5 mm fraction: 1 red Mn-epidote versus monazite candidate = 1 monazite.
99-M-278	Hornblende-almandine/epidote-diopside	SEM check from 0.25-0.5 mm fraction: 1 red Mn-epidote versus monazite candidate = 1 Mn-epidote.
99-M-279	Hornblende-almandine/epidote-diopside	
99-M-280	Hornblende-almandine/epidote-diopside	
99-M-281	Goethite-hornblende-almandine/epidote-diopside-titanite	Goethite occurs mainly in schistose lithic grains which report to all paramagnetic and nonparamagnetic fractions.
99-M-282	Hornblende-almandine-hematite/epidote-diopside	
99-M-284	Hornblende-almandine-hematite/epidote-diopside-titanite	
99-M-286	Hornblende-almandine-ilmenite/epidote-diopside-titanite	
99-M-287	Hornblende-almandine/epidote-diopside-titanite	
99-M-288	Hornblende-almandine-augite/epidote-diopside	SEM check from 0.25-0.5 mm fraction: 1 green spinel versus pyroxene candidate = 1 hedenbergite.
99-M-289	Hornblende-almandine/epidote-diopside	
99-M-290	Hornblende-almandine/epidote-diopside-titanite	
99-M-291	Hornblende-almandine/epidote-diopside-titanite	SEM checks from 0.25-0.5 mm fraction: 4 spessartine versus almandine candidates = 1 spessartine and 3 almandine.
99-M-292	Hornblende-almandine-augite-hematite/ epidote-diopside-titanite	
99-M-293	Hornblende-almandine-hematite/epidote-diopside-titanite	
99-M-294	Almandine-hornblende-hematite/epidote-diopside-titanite	
99-M-295	Hornblende-almandine/epidote-diopside-titanite	
99-M-296	Hornblende-almandine/epidote-diopside-titanite	
99-M-297	Hornblende-almandine/epidote-diopside	
99-M-298	Hornblende-almandine-augite/epidote-diopside-titanite	SEM checks from 0.25-0.5 mm fraction: 1 colourless spinel candidate = 1 spinel; and 1 ruby corundum versus almandine candidate = 1 ruby corundum.
99-M-300	Hornblende-almandine/epidote-diopside-titanite	

Sample Site	Mineral Assemblage	Remarks
99-M-301	Hornblende-almandine/epidote-diopside-titanite	
99-M-302	Hornblende-almandine/epidote-diopside-titanite	
99-M-303	Hornblende-almandine-augite/epidote-diopside-titanite	
99-M-304	Hornblende-almandine-hematite/epidote-diopside-titanite	
99-M-305	Hornblende-almandine-augite-hematite/ epidote-diopside-titanite	
99-M-306	Hornblende-almandine/epidote-diopside-titanite	
99-M-307	Hornblende-almandine-augite/epidote-diopside-titanite	
99-M-308	Hornblende-almandine-hematite/epidote-diopside-titanite	
99-M-309	Hornblende-almandine/epidote-diopside	
99-M-310	Hornblende-almandine/epidote-diopside-titanite	
99-M-311	Hornblende-almandine-augite/epidote-diopside-titanite	
99-M-312	Hornblende-almandine-hematite/epidote-diopside-titanite	
99-M-313	Hornblende-almandine-augite/epidote-diopside-titanite	
99-M-314	Hornblende-almandine-augite/epidote-diopside-titanite	
99-M-315	Almandine-hornblende-hematite/epidote-diopside-titanite	
99-M-316	Hornblende-almandine-hematite-augite/ epidote-diopside-titanite	SEM check from 0.25-0.5 mm fraction: 1 dark green gahnite versus pyroxene candidate = 1 common spinel.
99-M-317	Almandine-hornblende/epidote-diopside-titanite	
99-M-319	Hornblende-almandine-ilmenite/epidote-diopside	
99-M-320	Hornblende-almandine-hematite/epidote-diopside	
99-M-324	Hornblende-almandine-augite/epidote-diopside-titanite	
99-M-326	Hornblende-almandine/epidote-diopside	SEM check from 0.25-0.5 mm fraction: 1 blue spinel versus sapphirine candidate = 1 spinel + quartz.
99-M-327	Hornblende-almandine-augite/epidote-diopside	
99-M-329	Hornblende-almandine-augite/epidote-diopside	
99-M-330	Hornblende-almandine/epidote-diopside-titanite	
99-M-331	Hornblende-almandine/epidote-diopside-titanite	
99-M-332	Hornblende-almandine/epidote-diopside-titanite	
99-M-334	Hornblende-almandine-hematite/epidote-diopside	
99-M-335	Hornblende-almandine-augite/epidote-diopside-titanite	
99-M-338	Almandine-hornblende/epidote-diopside-titanite	SEM check from 0.25-0.5 mm fraction: 1 ruby corundum versus almandine candidate = 1 ruby corundum.
99-M-339	Hornblende-almandine/epidote-diopside-titanite	
99-M-341	Hornblende-almandine/epidote-diopside	
99-M-342	Almandine-hornblende/epidote-diopside	SEM check from 0.25-0.5 mm fraction: 1 green gahnite versus pyroxene candidate = 1 augite.
99-M-343	Hornblende-almandine-hematite/epidote-diopside-titanite	SEM check from 0.25-0.5 mm fraction: 1 green gahnite versus spinel candidate = 1 spinel.
99-M-344	Hornblende-almandine-hematite/epidote-diopside-titanite	
99-M-345	Hornblende-almandine/epidote-diopside-titanite	

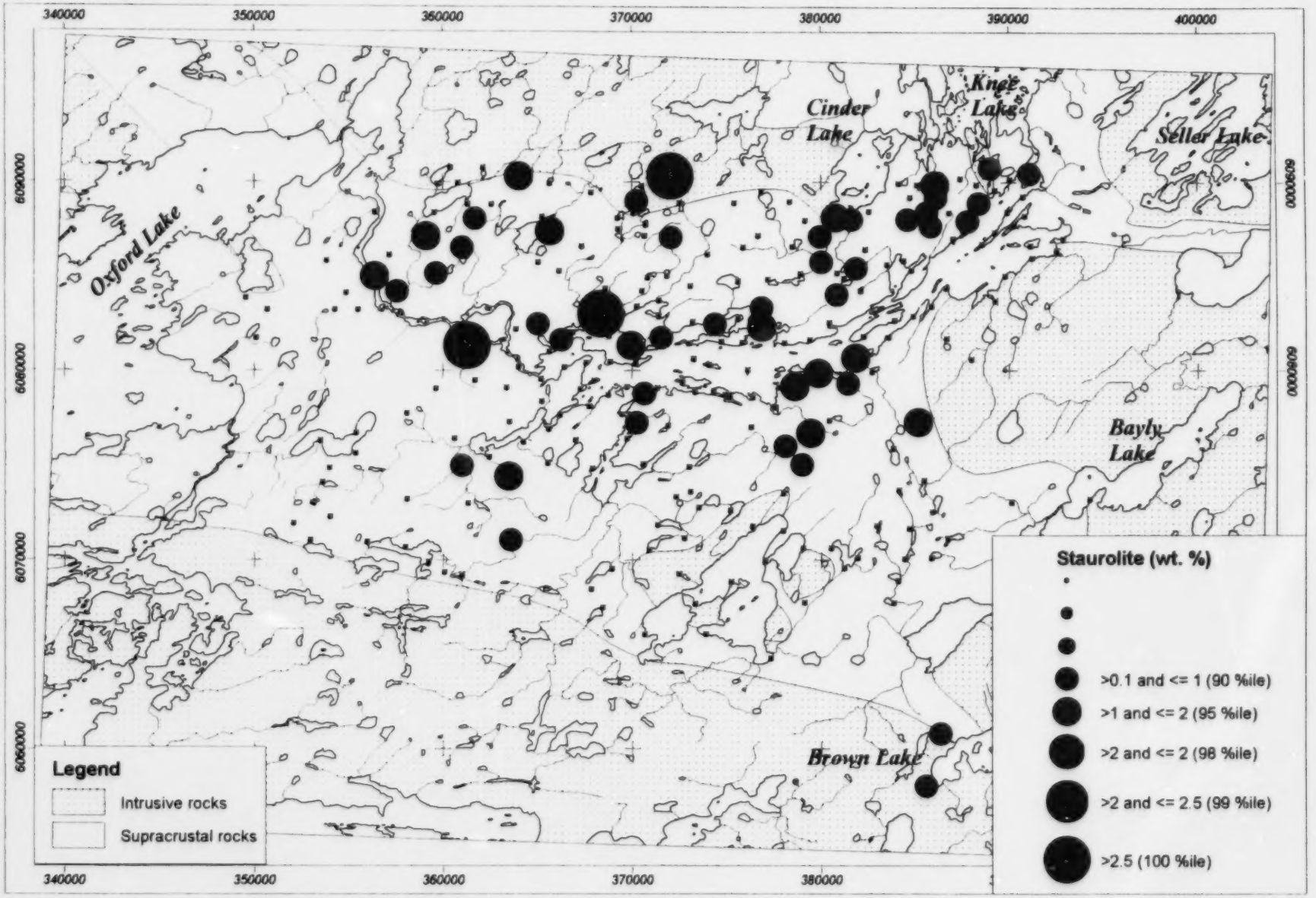
Sample Site	Mineral Assemblage	Remarks
99-M-346	Almandine-hornblende/epidote-diopside	
99-M-347	Almandine-hornblende-hematite/epidote-diopside	
99-M-349	Hornblende-almandine-hematite/epidote-diopside	
99-M-350	Hornblende-almandine-augite/epidote-diopside-titanite	
99-M-351	Hornblende-almandine/epidote-diopside-titanite	

Percentile Bubble Plots For Metamorphosed Massive Sulphide and Magmatic Sulphide Indicator Minerals.



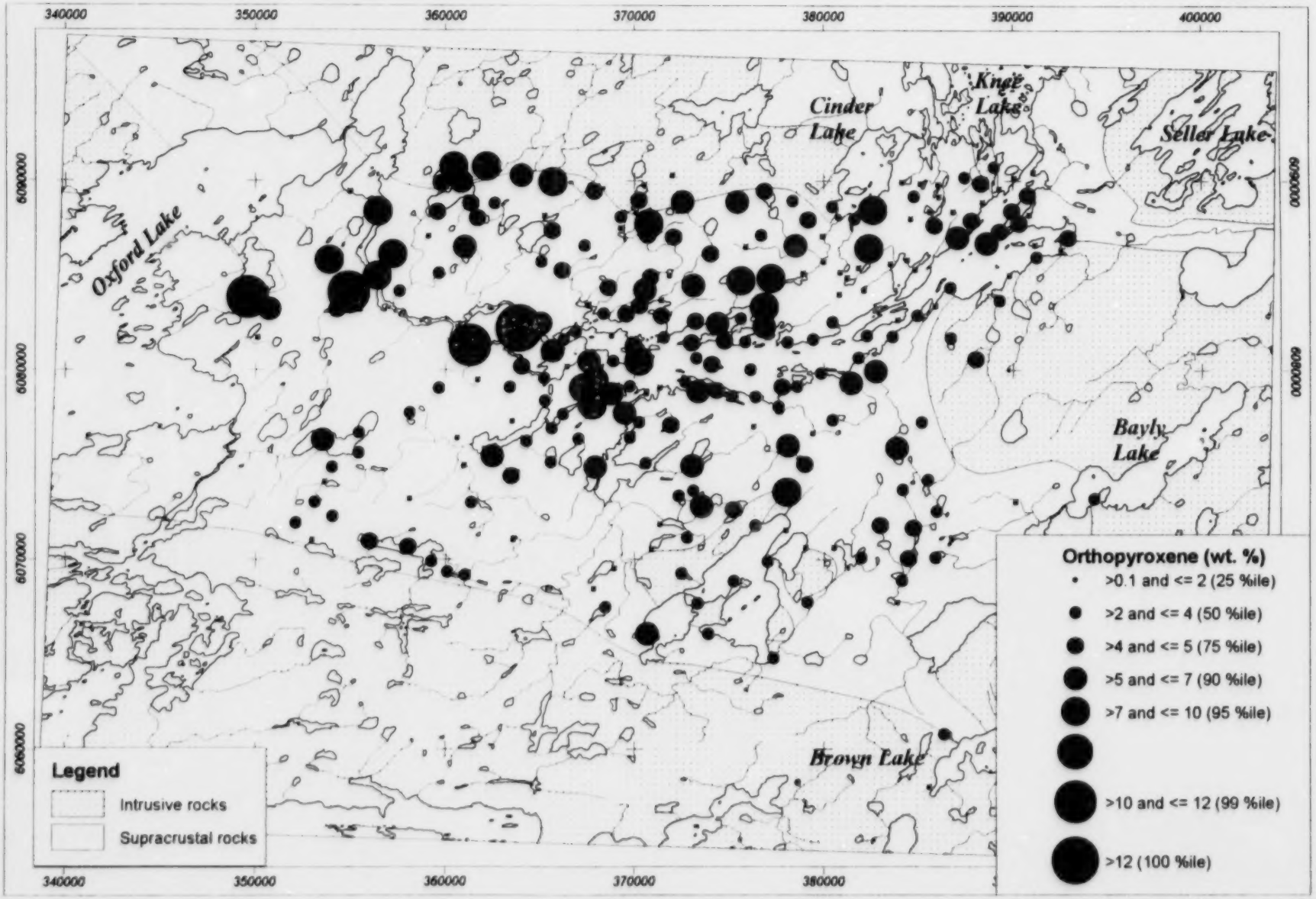
Metamorphosed and magmatic massive sulphide indicator minerals - 250 samples

Appendix M-6-1



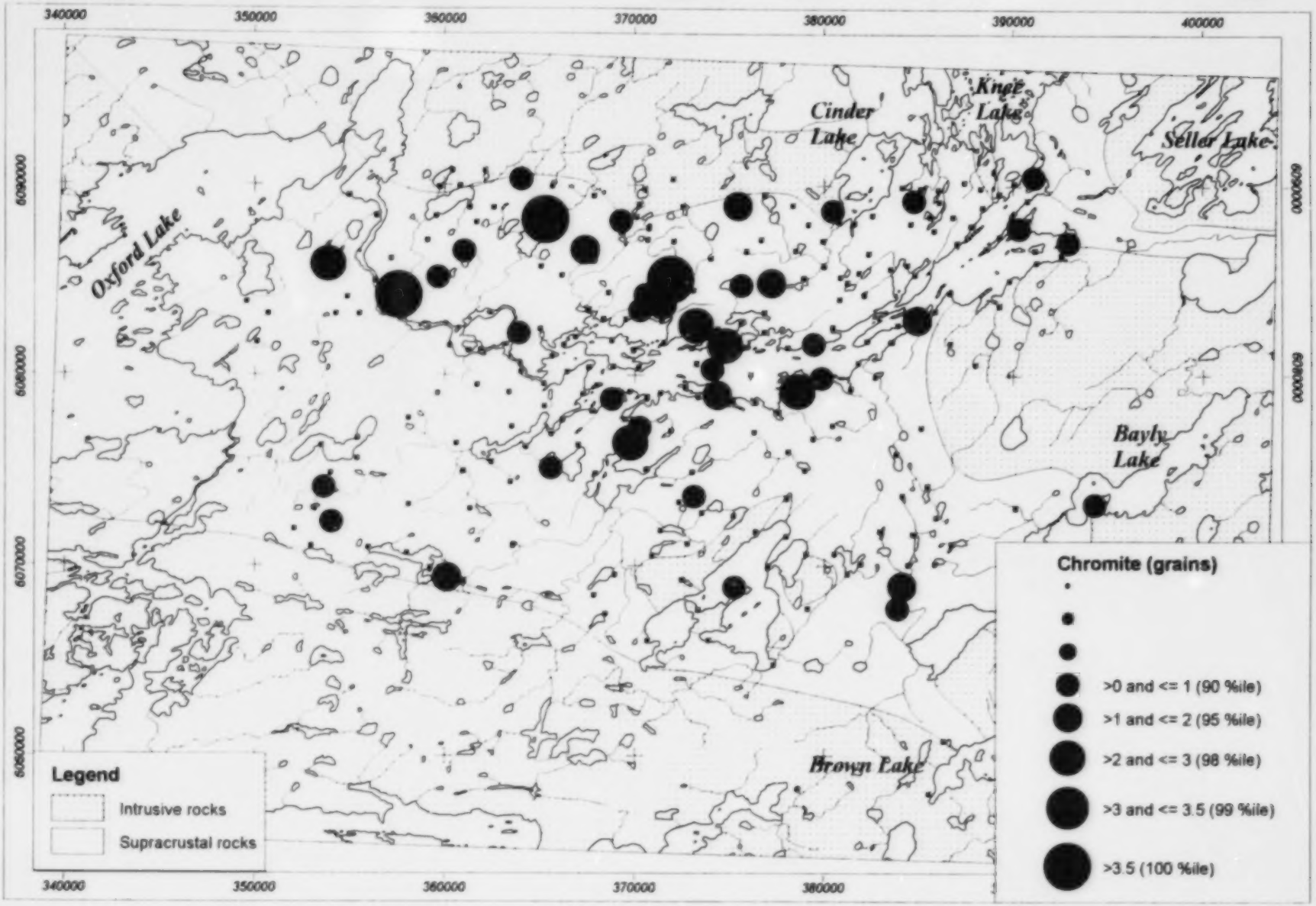
Metamorphosed and magmatic massive sulphide indicator minerals - 250 samples

Appendix M-6-2



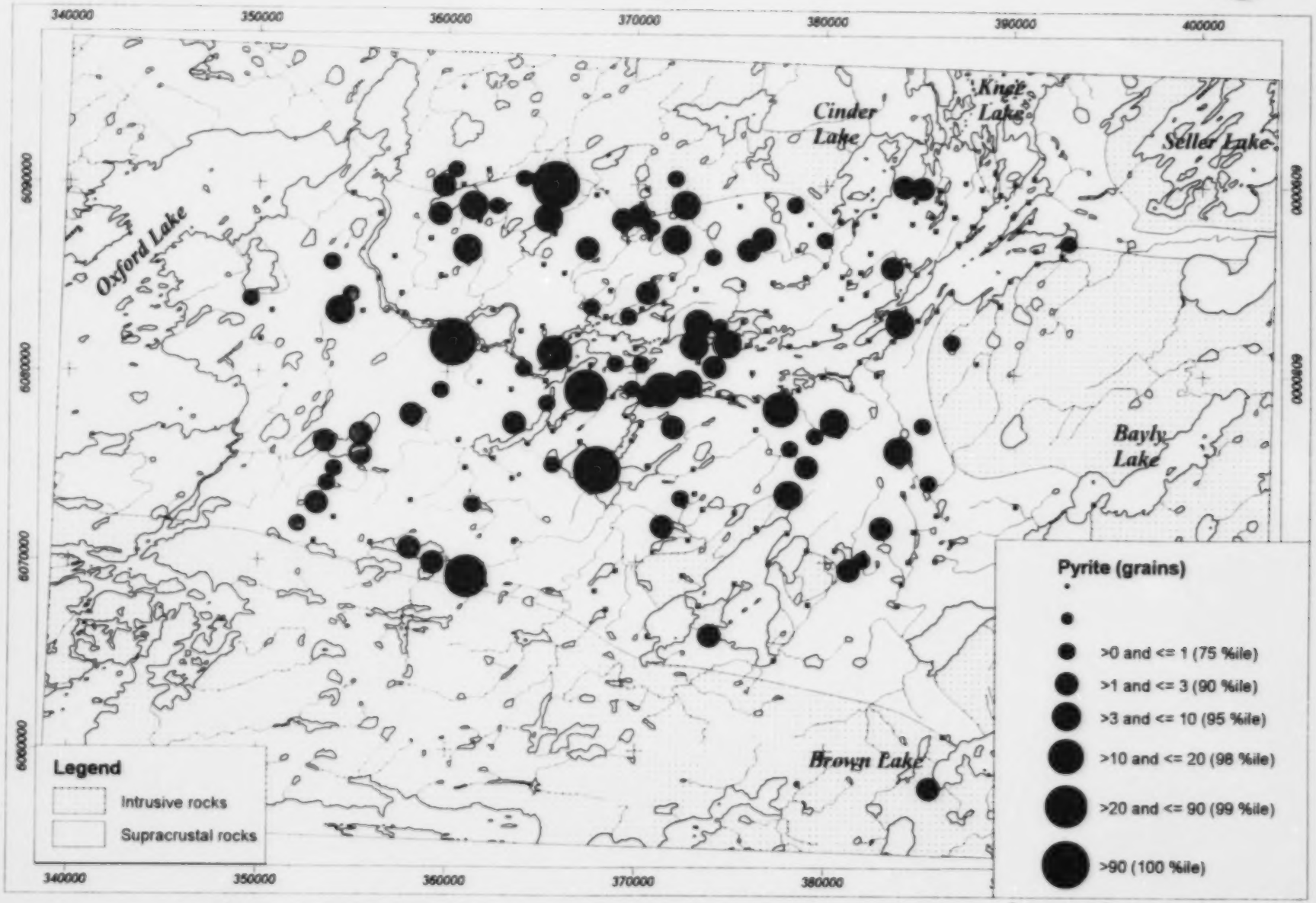
Metamorphosed and magmatic massive sulphide indicator minerals - 250 samples

Appendix M-6-3



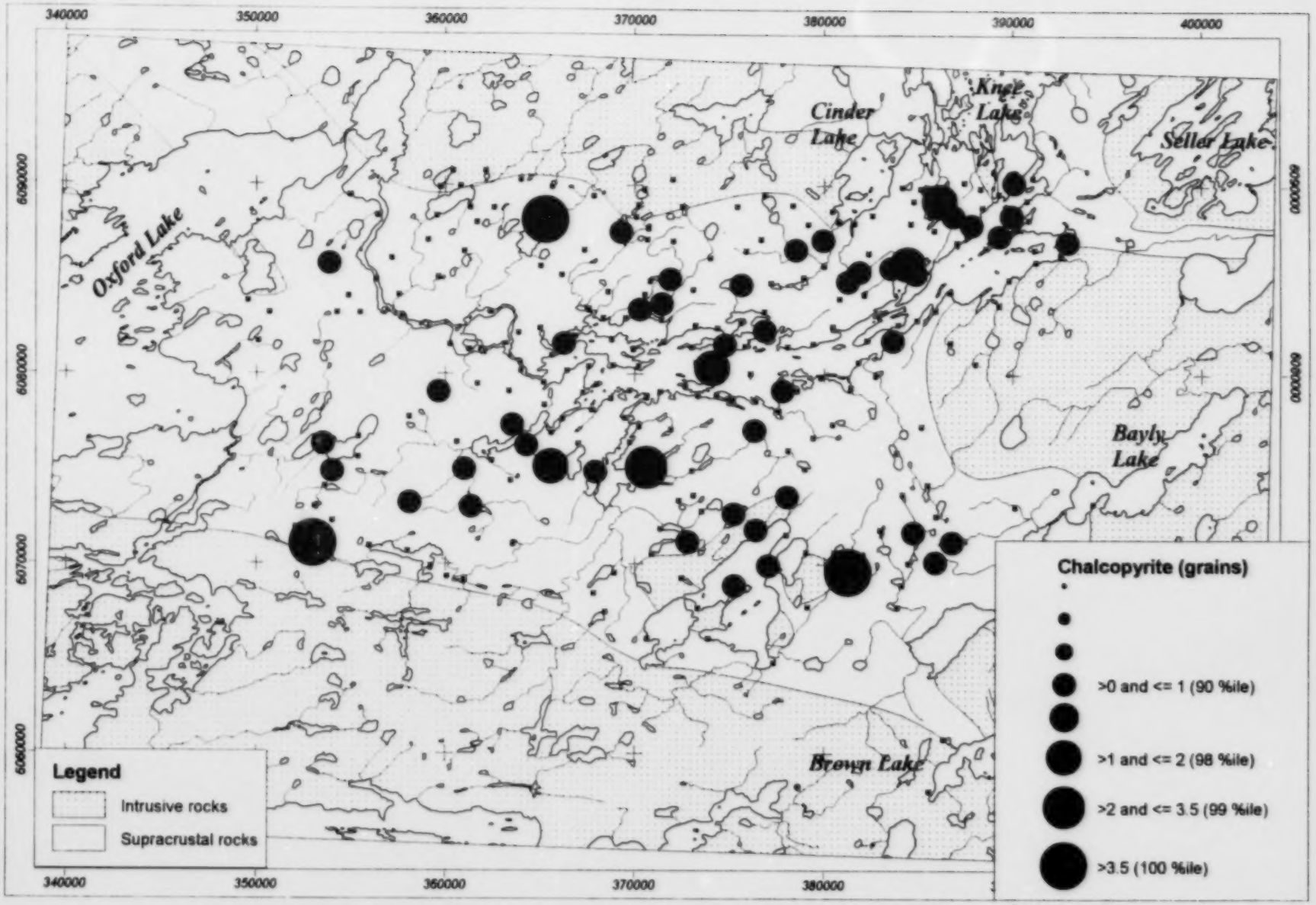
Metamorphosed and magmatic massive sulphide indicator minerals - 250 samples

Appendix M-6-4



Metamorphosed and magmatic massive sulphide indicator minerals - 250 samples

Appendix M-6-5



Metamorphosed and magmatic massive sulphide indicator minerals - 250 samples

Appendix M-6-6

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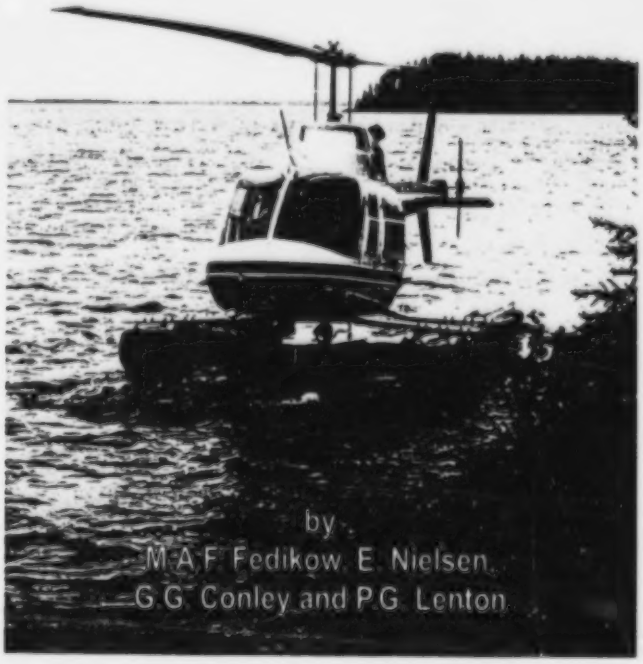
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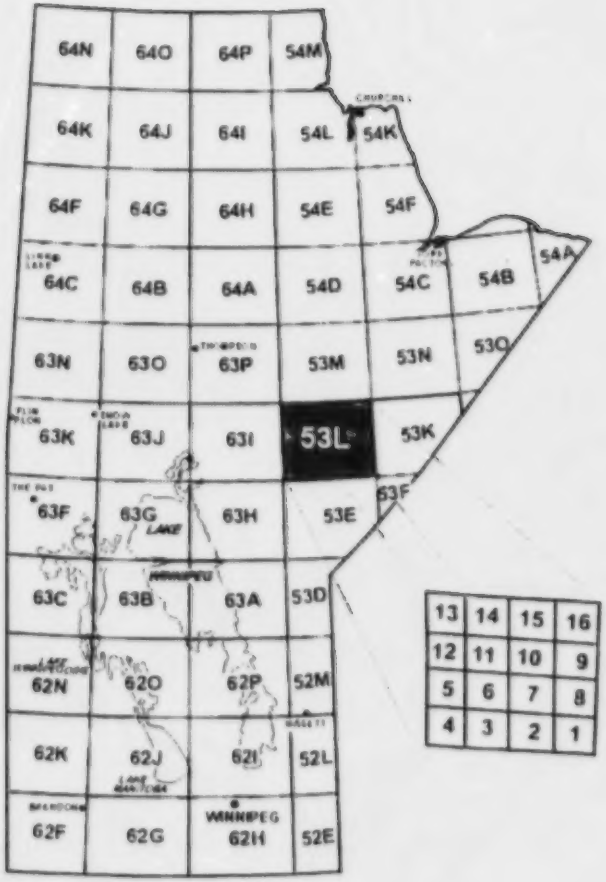
Operation Superior: Multimedia Geochemical and Mineralogical Survey Results from the Southern Portion of the Knee Lake Greenstone Belt, Northern Superior Province, Manitoba (NTS 53L): Volume 2



by
M.A.F. Fedikow, E. Nielsen,
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This publication is available in large print, audiotape or braile on request

Georeference:
NTS area: 53L

Keywords:
base metals
geochemical methods
geochemical surveys
greenstone belts
horizons
humus
indicator minerals
kimberlite
Knee Lake
Manitoba
metals
mineral exploration
mineralization
precious metals
rocks
sediments
Superior Province
surveys
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vegetation

Suggested reference:

Fedikow, M.A.F., Nielsen, E., Conley, G.G., and Lenton, P.G. 2000: Operation Superior: multimedia geochemical and mineralogical survey results from the southern portion of the Knee Lake greenstone belt, northern Superior Province, Manitoba (NTS 53L); Manitoba Industry, Trade and Mines, Geological Survey, Open File Report OF2000-2, 2 vols. +1 CD-ROM.

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GOLD GRAINS (OVERBURDEN DRILLING MANAGEMENT LTD.)

Gold grain assessments were undertaken along with MMSIM and KIM mineralogical studies on the 1999 survey samples from the southern half of the Knee Lake greenstone belt. The physical characteristics of the observed gold grains, including grain sizes and morphology are presented in Appendix G-7 and gold grain classification and parts per billion gold assays based on the relative proportion of gold in a sample are given in Appendix G-8. A summary table comprising all information generated for the till mineralogical surveys undertaken at Overburden Drilling Management Ltd. is presented in Appendix G-9. Bubble plots depicting the distribution of gold grains in the 1999 survey area are in Appendix G-10 and percentile bubble plots for calculated parts per billion gold in the 1999 samples are in Appendix G-11.

Results

The abundances of gold grains in the 1999 survey samples are low with a range of one to five grains. Each of three sites (213, 263 and 351) that occur south of the west end of Knee Lake contain five gold grains. This is not considered to be significant. The limited range of gold grains is interpreted to reflect gold grain 'background' rather than any significant bedrock-related feature. This result is somewhat surprising given the presence of the SKSZ, a transpressional shear zone, and the presence of a number of gold occurrences in the 1999 survey area. Additionally, all gold grains identified in this year's survey samples are classified as 'reshaped' indicating modification of gold grain shapes as a result of long (>1 km) transport distances.

The calculated gold abundances indicate the presence of two 100th percentiles (>196 ppb) at site 46 near the eastern portion of the survey area and at site 84 north of the northern margin of the belt. Site 83, adjacent to site 84 is marked by a 98th percentile gold analysis. A 99th percentile response occurs south of the west end of Knee Lake. These calculated responses are interpreted to be insignificant.

There are no indications of dispersion trains in the gold grain data, however, the sample spacing may be unsuitable to define point source fans since most trains associated with significant gold mineralization have been documented to be in the order of 1 km in length.

Appendix G-7

Gold Grains - Physical Characteristics and Parts Per Billion Based on Visible Gold Grain Counts.

Process Order	Sample Site	Number of Visible Gold Grains				Non-Magnetic Weight	Calculated PPB Visible Gold			
		Total	Reshaped	Modified	Pristine		Total	Reshaped	Modified	Pristine
1	99-M-2	2	2	0	0	16.2	3	3	0	0
2	99-M-3	0	0	0	0	17.4	0	0	0	0
3	99-M-4	0	0	0	0	6.9	0	0	0	0
4	99-M-5	0	0	0	0	10.4	0	0	0	0
5	99-M-7	2	2	0	0	27.6	20	20	0	0
6	99-M-8	3	2	1	0	14.7	11	6	6	0
7	99-M-9	1	1	0	0	12.7	6	6	0	0
8	99-M-10	4	4	0	0	7.7	98	98	0	0
9	99-M-11	0	0	0	0	15.3	0	0	0	0
10	99-M-12	2	2	0	0	9.7	21	21	0	0
11	99-M-13	0	0	0	0	16.5	0	0	0	0
12	99-M-14	0	0	0	0	13.5	0	0	0	0
13	99-M-15	2	1	1	0	21.1	10	9	1	0
14	99-M-16	0	0	0	0	11.4	0	0	0	0
15	99-M-17	1	1	0	0	16.0	40	40	0	0
16	99-M-18	3	3	0	0	22.8	169	169	0	0
17	99-M-19	0	0	0	0	15.5	0	0	0	0
18	99-M-21	0	0	0	0	17.4	0	0	0	0
19	99-M-25	1	1	0	0	13.7	2	2	0	0
20	99-M-26	4	4	0	0	14.6	83	83	0	0
21	99-M-27	0	0	0	0	14.3	0	0	0	0
22	99-M-28	2	2	0	0	9.5	5	5	0	0
23	99-M-29	0	0	0	0	9.1	0	0	0	0
24	99-M-30	3	3	0	0	16.7	91	91	0	0
25	99-M-31	0	0	0	0	5.8	0	0	0	0
26	99-M-32	0	0	0	0	10.3	0	0	0	0
27	99-M-33	0	0	0	0	8.7	0	0	0	0
28	99-M-34	0	0	0	0	7.5	0	0	0	0
29	99-M-35	0	0	0	0	13.0	0	0	0	0
30	99-M-36	0	0	0	0	13.3	0	0	0	0
31	99-M-39	2	2	0	0	17.1	13	13	0	0
32	99-M-40	2	2	0	0	23.0	17	17	0	0
33	99-M-41	3	3	0	0	15.4	42	42	0	0
34	99-M-42	0	0	0	0	10.7	0	0	0	0
35	99-M-43	3	3	0	0	13.3	31	31	0	0
36	99-M-44	3	2	1	0	17.1	40	38	1	0
37	99-M-45	0	0	0	0	6.1	0	0	0	0
38	99-M-46	1	1	0	0	12.7	226	226	0	0
39	99-M-47	0	0	0	0	22.0	0	0	0	0
40	99-M-48	0	0	0	0	12.6	0	0	0	0
41	99-M-49	0	0	0	0	36.8	0	0	0	0

Process Order	Sample Site	Number of Visible Gold Grains				Non-Magnetic Weight	Calculated PPB Visible Gold			
		Total	Reshaped	Modified	Pristine		Total	Reshaped	Modified	Pristine
42	99-M-50	3	2	1	0	41.2	76	52	25	0
43	99-M-51	0	0	0	0	25.2	0	0	0	0
44	99-M-52	0	0	0	0	29.6	0	0	0	0
45	99-M-53	4	4	0	0	34.8	8	8	0	0
46	99-M-54	0	0	0	0	30.8	0	0	0	0
47	99-M-55	2	1	1	0	29.6	9	6	3	0
48	99-M-56	1	1	0	0	40.8	9	9	0	0
49	99-M-57	1	1	0	0	38.4	10	10	0	0
50	99-M-59	2	2	0	0	34.0	3	3	0	0
51	99-M-63	3	3	0	0	36.4	5	5	0	0
52	99-M-64	3	3	0	0	34.8	3	3	0	0
53	99-M-65	1	1	0	0	30.8	21	21	0	0
54	99-M-66	2	2	0	0	42.8	26	26	0	0
55	99-M-67	1	1	0	0	39.2	2	2	0	0
56	99-M-68	0	0	0	0	31.2	0	0	0	0
57	99-M-69	0	0	0	0	29.2	0	0	0	0
58	99-M-70	0	0	0	0	32.0	0	0	0	0
59	99-M-71	3	2	1	0	39.6	22	5	16	0
60	99-M-73	0	0	0	0	38.8	0	0	0	0
61	99-M-74	2	2	0	0	38.0	2	2	0	0
62	99-M-75	0	0	0	0	35.2	0	0	0	0
63	99-M-76	1	1	0	0	34.0	2	2	0	0
64	99-M-77	0	0	0	0	30.0	0	0	0	0
65	99-M-78	0	0	0	0	30.8	0	0	0	0
66	99-M-79	3	2	1	0	36.4	16	6	10	0
67	99-M-80	4	4	0	0	42.8	106	106	0	0
68	99-M-81	2	2	0	0	40.4	14	14	0	0
69	99-M-82	3	3	0	0	41.6	14	14	0	0
70	99-M-83	3	3	0	0	45.2	139	139	0	0
71	99-M-84	2	2	0	0	35.2	202	202	0	0
72	99-M-85	2	2	0	0	41.2	10	10	0	0
73	99-M-86	4	3	1	0	44.4	18	14	4	0
74	99-M-87	3	3	0	0	35.6	47	47	0	0
75	99-M-89	0	0	0	0	30.4	0	0	0	0
76	99-M-90	1	1	0	0	30.4	49	49	0	0
77	99-M-91	1	1	0	0	31.6	6	6	0	0
78	99-M-93	2	2	0	0	44.0	10	10	0	0
79	99-M-94	1	1	0	0	35.6	5	5	0	0
80	99-M-95	2	1	1	0	44.0	2	2	0	0
81	99-M-97	0	0	0	0	40.4	0	0	0	0
82	99-M-98	1	1	0	0	38.0	39	39	0	0
83	99-M-100	0	0	0	0	37.6	0	0	0	0
84	99-M-101	1	1	0	0	35.2	82	82	0	0
85	99-M-102	0	0	0	0	35.6	0	0	0	0
86	99-M-104	2	2	0	0	39.2	10	10	0	0
87	99-M-105	0	0	0	0	46.0	0	0	0	0
88	99-M-106	0	0	0	0	39.2	0	0	0	0
89	99-M-107	3	3	0	0	42.4	20	20	0	0

Process Order	Sample Site	Number of Visible Gold Grains				Non-Magnetic Weight	Calculated PPB Visible Gold			
		Total	Reshaped	Modified	Pristine		Total	Reshaped	Modified	Pristine
90	99-M-108	0	0	0	0	38.4	0	0	0	0
91	99-M-109	3	3	0	0	41.2	126	126	0	0
92	99-M-111	1	1	0	0	40.4	1	1	0	0
93	99-M-112	0	0	0	0	38.0	0	0	0	0
94	99-M-113	0	0	0	0	32.0	0	0	0	0
95	99-M-114	2	2	0	0	38.4	4	4	0	0
96	99-M-115	1	1	0	0	38.8	2	2	0	0
97	99-M-116	0	0	0	0	35.6	0	0	0	0
98	99-M-118	0	0	0	0	31.2	0	0	0	0
99	99-M-121	0	0	0	0	42.8	0	0	0	0
100	99-M-123	0	0	0	0	43.2	0	0	0	0
101	99-M-124	1	1	0	0	40.4	5	5	0	0
102	99-M-125	0	0	0	0	35.2	0	0	0	0
103	99-M-126	2	2	0	0	34.0	85	85	0	0
104	99-M-127	1	1	0	0	35.2	1	1	0	0
105	99-M-129	0	0	0	0	30.0	0	0	0	0
106	99-M-131	0	0	0	0	33.6	0	0	0	0
107	99-M-134	3	3	0	0	38.4	33	33	0	0
108	99-M-135	0	0	0	0	42.4	0	0	0	0
109	99-M-136	2	2	0	0	31.6	3	3	0	0
110	99-M-139	2	2	0	0	27.2	10	10	0	0
111	99-M-140	0	0	0	0	38.4	0	0	0	0
112	99-M-142	2	2	0	0	29.6	41	41	0	0
113	99-M-145	0	0	0	0	40.0	0	0	0	0
114	99-M-146	1	1	0	0	39.2	10	10	0	0
115	99-M-147	3	3	0	0	40.0	2	2	0	0
116	99-M-148	0	0	0	0	40.0	0	0	0	0
117	99-M-149	1	1	0	0	38.0	2	2	0	0
118	99-M-150	3	3	0	0	41.6	10	10	0	0
119	99-M-151	2	2	0	0	34.8	2	2	0	0
120	99-M-152	3	3	0	0	40.4	5	5	0	0
121	99-M-154	0	0	0	0	38.4	0	0	0	0
122	99-M-155	1	1	0	0	42.0	2	2	0	0
123	99-M-156	1	1	0	0	42.8	9	9	0	0
124	99-M-157	2	2	0	0	40.8	18	18	0	0
125	99-M-201	2	2	0	0	33.2	17	17	0	0
126	99-M-202	0	0	0	0	34.8	0	0	0	0
127	99-M-203	4	4	0	0	42.0	11	11	0	0
128	99-M-204	1	1	0	0	33.2	6	6	0	0
129	99-M-205	3	3	0	0	33.2	13	13	0	0
130	99-M-206	0	0	0	0	26.4	0	0	0	0
131	99-M-207	0	0	0	0	28.0	0	0	0	0
132	99-M-208	2	2	0	0	38.4	19	19	0	0
133	99-M-209	2	2	0	0	33.2	22	22	0	0
134	99-M-210	0	0	0	0	29.2	0	0	0	0
135	99-M-211	2	2	0	0	37.6	6	6	0	0
136	99-M-212	0	0	0	0	27.2	0	0	0	0
137	99-M-213	5	2	2	1	32.0	5	3	1	1

Process Order	Sample Site	Number of Visible Gold Grains				Non-Magnetic Weight	Calculated PPB Visible Gold			
		Total	Reshaped	Modified	Pristine		Total	Reshaped	Modified	Pristine
138	99-M-214	4	4	0	0	34.0	6	6	0	0
139	99-M-215	2	2	0	0	38.4	10	10	0	0
140	99-M-217	0	0	0	0	33.6	0	0	0	0
141	99-M-218	0	0	0	0	27.2	0	0	0	0
142	99-M-219	0	0	0	0	29.6	0	0	0	0
143	99-M-220	2	2	0	0	38.0	1	1	0	0
144	99-M-221	1	1	0	0	37.6	10	10	0	0
145	99-M-223	0	0	0	0	32.4	0	0	0	0
146	99-M-224	2	2	0	0	36.0	11	11	0	0
147	99-M-225	0	0	0	0	30.4	0	0	0	0
148	99-M-226	0	0	0	0	28.0	0	0	0	0
149	99-M-227	3	1	2	0	30.0	22	3	19	0
150	99-M-228	2	1	0	1	28.0	6	3	0	3
151	99-M-229	2	2	0	0	26.8	1	1	0	0
152	99-M-230	0	0	0	0	30.0	0	0	0	0
153	99-M-233	0	0	0	0	27.2	0	0	0	0
154	99-M-234	0	0	0	0	28.4	0	0	0	0
155	99-M-235	2	1	1	0	33.6	3	2	1	0
156	99-M-236	3	2	1	0	30.0	23	22	0	0
157	99-M-237	0	0	0	0	28.4	0	0	0	0
158	99-M-238	0	0	0	0	31.2	0	0	0	0
159	99-M-239	2	2	0	0	32.0	3	3	0	0
160	99-M-240	0	0	0	0	35.2	0	0	0	0
161	99-M-241	0	0	0	0	28.4	0	0	0	0
162	99-M-242	1	1	0	0	28.4	13	13	0	0
163	99-M-243	0	0	0	0	28.8	0	0	0	0
164	99-M-245	2	2	0	0	27.2	1	1	0	0
165	99-M-246	0	0	0	0	30.8	0	0	0	0
166	99-M-248	0	0	0	0	37.2	0	0	0	0
167	99-M-249	2	2	0	0	31.2	1	1	0	0
168	99-M-250	2	2	0	0	36.0	3	3	0	0
169	99-M-251	0	0	0	0	35.2	0	0	0	0
170	99-M-252	0	0	0	0	29.6	0	0	0	0
171	99-M-253	0	0	0	0	25.2	0	0	0	0
172	99-M-257	3	3	0	0	12.8	54	54	0	0
173	99-M-259	2	2	0	0	22.0	10	10	0	0
174	99-M-260	1	1	0	0	24.4	3	3	0	0
175	99-M-261	3	3	0	0	36.0	13	13	0	0
176	99-M-262	3	3	0	0	34.4	7	7	0	0
177	99-M-263	5	5	0	0	32.0	28	28	0	0
178	99-M-264	3	3	0	0	27.2	136	136	0	0
179	99-M-265	0	0	0	0	30.4	0	0	0	0
180	99-M-266	0	0	0	0	26.8	0	0	0	0
181	99-M-267	1	1	0	0	23.2	8	8	0	0
182	99-M-268	3	3	0	0	27.6	6	6	0	0
183	99-M-269	3	2	1	0	26.4	13	10	3	0
184	99-M-271	2	1	1	0	28.8	13	7	7	0
185	99-M-272	0	0	0	0	34.4	0	0	0	0

Process Order	Sample Site	Number of Visible Gold Grains				Non-Magnetic Weight	Calculated PPB Visible Gold			
		Total	Reshaped	Modified	Pristine		Total	Reshaped	Modified	Pristine
186	99-M-273	3	3	0	0	26.8	11	11	0	0
187	99-M-274	0	0	0	0	34.8	0	0	0	0
188	99-M-275	2	2	0	0	28.4	14	14	0	0
189	99-M-276	0	0	0	0	29.2	0	0	0	0
190	99-M-277	2	2	0	0	38.8	7	7	0	0
191	99-M-278	2	2	0	0	37.2	5	5	0	0
192	99-M-279	0	0	0	0	33.2	0	0	0	0
193	99-M-280	0	0	0	0	37.2	0	0	0	0
194	99-M-281	0	0	0	0	35.2	0	0	0	0
195	99-M-282	0	0	0	0	27.6	0	0	0	0
196	99-M-284	0	0	0	0	38.0	0	0	0	0
197	99-M-286	0	0	0	0	22.4	0	0	0	0
198	99-M-287	0	0	0	0	37.2	0	0	0	0
199	99-M-288	0	0	0	0	39.6	0	0	0	0
200	99-M-289	0	0	0	0	38.0	0	0	0	0
201	99-M-290	1	1	0	0	30.4	21	21	0	0
202	99-M-291	0	0	0	0	27.2	0	0	0	0
203	99-M-292	1	1	0	0	37.6	5	5	0	0
204	99-M-293	0	0	0	0	33.2	0	0	0	0
205	99-M-294	2	2	0	0	32.0	12	12	0	0
206	99-M-295	0	0	0	0	29.6	0	0	0	0
207	99-M-296	0	0	0	0	36.8	0	0	0	0
208	99-M-297	0	0	0	0	36.0	0	0	0	0
209	99-M-298	2	1	1	0	37.2	10	10	0	0
210	99-M-300	3	3	0	0	38.4	12	12	0	0
211	99-M-301	3	3	0	0	32.8	7	7	0	0
212	99-M-302	1	1	0	0	36.0	5	5	0	0
213	99-M-303	2	2	0	0	36.4	108	108	0	0
214	99-M-304	0	0	0	0	36.8	0	0	0	0
215	99-M-305	0	0	0	0	44.0	0	0	0	0
216	99-M-306	0	0	0	0	35.6	0	0	0	0
217	99-M-307	0	0	0	0	30.4	0	0	0	0
218	99-M-308	0	0	0	0	40.8	0	0	0	0
219	99-M-309	4	4	0	0	35.2	17	17	0	0
220	99-M-310	0	0	0	0	27.2	0	0	0	0
221	99-M-311	0	0	0	0	37.2	0	0	0	0
222	99-M-312	0	0	0	0	22.0	0	0	0	0
223	99-M-313	0	0	0	0	23.2	0	0	0	0
224	99-M-314	0	0	0	0	38.8	0	0	0	0
225	99-M-315	0	0	0	0	39.2	0	0	0	0
226	99-M-316	2	2	0	0	35.2	8	8	0	0
227	99-M-317	1	1	0	0	35.2	1	1	0	0
228	99-M-319	3	3	0	0	26.4	83	83	0	0
229	99-M-320	1	1	0	0	36.4	2	2	0	0
230	99-M-324	0	0	0	0	27.6	0	0	0	0
231	99-M-326	0	0	0	0	34.8	0	0	0	0
232	99-M-327	2	2	0	0	36.0	8	8	0	0
233	99-M-329	3	3	0	0	35.6	7	7	0	0

Process Order	Sample Site	Number of Visible Gold Grains				Non-Magnetic Weight	Calculated PPB Visible Gold			
		Total	Reshaped	Modified	Pristine		Total	Reshaped	Modified	Pristine
234	99-M-330	2	2	0	0	35.2	3	3	0	0
235	99-M-331	2	2	0	0	35.6	3	3	0	0
236	99-M-332	2	2	0	0	41.2	9	9	0	0
237	99-M-334	0	0	0	0	27.6	0	0	0	0
238	99-M-335	0	0	0	0	38.4	0	0	0	0
239	99-M-338	0	0	0	0	32.8	0	0	0	0
240	99-M-339	0	0	0	0	17.2	0	0	0	0
241	99-M-341	1	1	0	0	36.0	10	10	0	0
242	99-M-342	0	0	0	0	33.6	0	0	0	0
243	99-M-343	1	1	0	0	26.8	184	184	0	0
244	99-M-344	4	4	0	0	30.0	42	42	0	0
245	99-M-345	2	2	0	0	26.8	1	1	0	0
246	99-M-346	0	0	0	0	30.4	0	0	0	0
247	99-M-347	1	1	0	0	36.0	5	5	0	0
248	99-M-349	2	2	0	0	33.2	14	14	0	0
249	99-M-350	0	0	0	0	30.0	0	0	0	0
250	99-M-351	5	5	0	0	27.2	6	6	0	0

Appendix G-8

Gold Grain Classification - Visible Gold From Shaking Table

Sample Site	Measurement Diameter (microns)		Thickness (microns)		Number of Grains Reshaped	Modified	Pristine	Total	Non-Magnetic (grams)	Calculated V.G. Assay (ppb)
99-M-2	25 X	25	5	C	2			2		
								2	16.2	3
99-M-3	NO VISIBLE GOLD									
99-M-4	NO VISIBLE GOLD									
99-M-5	NO VISIBLE GOLD									
99-M-7	50 X	50	10	C	1			1		
	50 X	75	13	C	1			1		
								2	27.6	20
99-M-8	15 X	15	3	C	1			1		
	25 X	50	8	C	1	1		2		
								3	14.7	11
99-M-9	25 X	50	8	C	1			1		
								1	12.7	6
99-M-10	15 X	15	3	C	1			1		
	25 X	25	5	C	1			1		
	25 X	50	8	C	1			1		
	50 X	100	15	C	1			1		
								4	7.7	98
99-M-11	NO VISIBLE GOLD									
99-M-12	15 X	25	4	C	1			1		
	50 X	50	10	C	1			1		
								2	9.7	21
99-M-13	NO VISIBLE GOLD									
99-M-14	NO VISIBLE GOLD									
99-M-15	15 X	25	4	C		1		1		
	50 X	50	10	C	1			1		
								2	21.1	10
99-M-16	NO VISIBLE GOLD									
99-M-17	50 X	100	15	C	1			1		
								1	16.0	40
99-M-18	15 X	25	4	C	1			1		
	25 X	50	8	C	1			1		
	100 X	100	50	M	1			1		
								3	22.8	169
99-M-19	NO VISIBLE GOLD									
99-M-21	NO VISIBLE GOLD									
99-M-25	25 X	25	5	C	1			1		
								1	13.7	2

Sample Site	Measurement Diameter (microns)		Thickness (microns)		Number of Grains Reshaped	Modified	Pristine	Total	Non-Magnetic (grams)	Calculated V.G. Assay (ppb)
99-M-26	15 X	25	4 C		1			1		
	50 X	50	10 C		1			1		
	50 X	75	13 C		1			1		
	75 X	75	15 C		1			1		
								4	14.6	83
99-M-27	NO VISIBLE GOLD									
99-M-28	25 X	25	5 C		2			2		
								2	9.5	5
99-M-29	NO VISIBLE GOLD									
99-M-30	15 X	25	4 C		2			2		
	75 X	125	20 C		1			1		
								3	16.7	91
99-M-31	NO VISIBLE GOLD									
99-M-32	NO VISIBLE GOLD									
99-M-33	NO VISIBLE GOLD									
99-M-34	NO VISIBLE GOLD									
99-M-35	NO VISIBLE GOLD									
99-M-36	NO VISIBLE GOLD									
99-M-39	25 X	25	5 C		1			1		
	50 X	50	10 C		1			1		
								2	17.1	13
99-M-40	25 X	75	10 C		1			1		
99-M-	50 X	50	10 C		1			1		
99-M-								2	23.0	17
99-M-41	25 X	50	8 C		1			1		
	50 X	50	10 C		1			1		
	50 X	75	13 C		1			1		
								3	15.4	42
99-M-42	NO VISIBLE GOLD									
99-M-43	25 X	25	5 C		1			1		
	25 X	75	10 C		1			1		
	50 X	50	10 C		1			1		
								3	13.3	31
99-M-44	15 X	25	4 C		1			1		
	25 X	25	5 C			1		1		
	75 X	75	15 C		1			1		
								3	17.1	40
99-M-45	NO VISIBLE GOLD									
99-M-46	75 X	100	50 M		1			1		
								1	12.7	226
99-M-47	NO VISIBLE GOLD									
99-M-48	NO VISIBLE GOLD									
99-M-49	NO VISIBLE GOLD									
99-M-50	15 X	25	4 C		1			1		
	75 X	75	50 M		1			1		
	75 X	100	18 C			1		1		
								3	41.2	76
99-M-51	NO VISIBLE GOLD									
99-M-52	NO VISIBLE GOLD									

Sample Site	Measurement Diameter (microns)	Measurement Thickness (microns)	Number of Grains Reshaped	Number of Grains Modified	Number of Grains Pristine	Number of Grains Total	Non-Magnetic (grams)	Calculated V.G. Assay (ppb)
99-M-53	25 X 25	5 C	3			3		
	50 X 50	10 C	1			1		
						4	34.8	8
99-M-54	NO VISIBLE GOLD							
99-M-55	25 X 50	8 C		1		1		
	50 X 50	10 C	1			1		
						2	29.6	9
99-M-56	50 X 75	13 C	1			1		
						1	40.8	9
99-M-57	50 X 75	13 C	1			1		
						1	38.4	10
99-M-59	25 X 25	5 C	1			1		
	25 X 50	8 C	1			1		
						2	34.0	3
99-M-63	25 X 25	5 C	1			1		
99-M-	25 X 50	8 C	2			2		
99-M-						3	36.4	5
99-M-64	15 X 25	4 C	1			1		
	25 X 25	5 C	1			1		
	25 X 50	8 C	1			1		
						3	34.8	3
99-M-65	50 X 100	15 C	1			1		
						1	30.8	21
99-M-66	25 X 50	8 C	1			1		
	75 X 100	18 C	1			1		
						2	42.8	26
99-M-67	25 X 50	8 C	1			1		
						1	39.2	2
99-M-68	NO VISIBLE GOLD							
99-M-69	NO VISIBLE GOLD							
99-M-70	NO VISIBLE GOLD							
99-M-71	25 X 25	5 C	1			1		
	25 X 75	10 C	1			1		
	75 X 75	15 C		1		1		
						3	39.6	22
99-M-73	NO VISIBLE GOLD							
99-M-74	15 X 25	4 C	1			1		
	25 X 50	8 C	1			1		
						2	38.0	2
99-M-75	NO VISIBLE GOLD							
99-M-76	25 X 50	8 C	1			1		
99-M-						1	34.0	2
99-M-77	NO VISIBLE GOLD							
99-M-78	NO VISIBLE GOLD							
99-M-79	25 X 25	5 C	1			1		
	50 X 50	10 C	1			1		
	50 X 75	13 C		1		1		
						3	36.4	16

Sample Site	Measurement Diameter (microns)		Thickness (microns)		Number of Grains Reshaped	Modified	Pristine	Total	Non-Magnetic (grams)	Calculated V.G. Assay (ppb)
99-M-80	25 X	25	5	C	2			2		
	50 X	50	10	C	1			1		
	75 X	100	75	C	1			1		
								4	42.8	106
99-M-81	50 X	50	10	C	1			1		
99-M-	50 X	75	13	C	1			1		
99-M-								2	40.4	14
99-M-82	25 X	25	5	C	1			1		
	50 X	50	10	C	1			1		
	50 X	75	13	C	1			1		
								3	41.6	14
99-M-83	25 X	25	5	C	1			1		
	75 X	75	15	C	1			1		
	100 X	100	75	M	1			1		
								3	45.2	139
99-M-84	15 X	25	4	C	1			1		
	125 X	150	50	M	1			1		
								2	35.2	202
99-M-85	25 X	25	5	C	1			1		
	50 X	75	13	C	1			1		
								2	41.2	10
99-M-86	15 X	50	7	C	1			1		
	50 X	50	10	C	1	1		2		
	50 X	75	13	C	1			1		
								4	44.4	18
99-M-87	25 X	25	5	C	1			1		
	75 X	75	15	C	1			1		
	75 X	100	18	C	1			1		
								3	35.6	47
99-M-89	NO VISIBLE GOLD									
99-M-90	50 X	150	20	C	1			1		
								1	30.4	49
99-M-91	25 X	75	10	C	1			1		
								1	31.6	6
99-M-93	25 X	50	8	C	1			1		
	50 X	75	13	C	1			1		
								2	44.0	10
99-M-94	50 X	50	10	C	1			1		
								1	35.6	5
99-M-95	15 X	25	4	C		1		1		
	25 X	50	8	C	1			1		
								2	44.0	2
99-M-97	NO VISIBLE GOLD									
99-M-98	75 X	125	20	C	1			1		
								1	38.0	39
99-M-100	NO VISIBLE GOLD									
99-M-101	125 X	125	25	C	1			1		
								1	35.2	82
99-M-102	NO VISIBLE GOLD									

Sample Site	Measurement Diameter (microns)			Thickness (microns)		Number of Grains Reshaped	Modified	Pristine	Total	Non-Magnetic (grams)	Calculated V.G. Assay (ppb)
99-M-104	15	X	25	4	C	1			1		
	50	X	75	13	C	1			1		
									2	39.2	10
99-M-105	NO VISIBLE GOLD										
99-M-106	NO VISIBLE GOLD										
99-M-107	25	X	25	5	C	1			1		
	50	X	50	10	C	1			1		
	75	X	75	15	C	1			1		
									3	42.4	20
99-M-108	NO VISIBLE GOLD										
99-M-109	25	X	50	8	C	1			1		
	50	X	75	13	C	1			1		
	100	X	125	50	M	1			1		
									3	41.2	126
99-M-111	25	X	25	5	C	1			1		
99-M-									1	40.4	1
99-M-112	NO VISIBLE GOLD										
99-M-113	NO VISIBLE GOLD										
99-M-114	25	X	50	8	C	2			2		
									2	38.4	4
99-M-115	25	X	50	8	C	1			1		
									1	38.8	2
99-M-116	NO VISIBLE GOLD										
99-M-118	NO VISIBLE GOLD										
99-M-121	NO VISIBLE GOLD										
99-M-123	NO VISIBLE GOLD										
99-M-124	50	X	50	10	C	1			1		
									1	40.4	5
99-M-125	NO VISIBLE GOLD										
99-M-126	25	X	25	5	C	1			1		
	75	X	100	50	M	1			1		
									2	34.0	85
99-M-127	25	X	25	5	C	1			1		
99-M-									1	35.2	1
99-M-129	NO VISIBLE GOLD										
99-M-131	NO VISIBLE GOLD										
99-M-134	25	X	50	8	C	1			1		
	50	X	50	10	C	1			1		
	75	X	100	18	C	1			1		
									3	38.4	33
99-M-135	NO VISIBLE GOLD										
99-M-136	25	X	25	5	C	1			1		
	25	X	50	8	C	1			1		
									2	31.6	3
99-M-139	25	X	50	8	C	1			1		
	50	X	50	10	C	1			1		
									2	27.2	10
99-M-140	NO VISIBLE GOLD										

Sample Site	Measurement Diameter (microns)		Thickness (microns)		Number of Grains Reshaped	Modified	Pristine	Total	Non-Magnetic (grams)	Calculated V.G. Assay (ppb)
99-M-142	50 X	50	10 C		1			1		
	50 X	125	18 C		1			1		
								2	29.6	41
99-M-145	NO VISIBLE GOLD									
99-M-146	50 X	75	13 C		1			1		
								1	39.2	10
99-M-147	25 X	25	5 C		3			3		
								3	40.0	2
99-M-148	NO VISIBLE GOLD									
99-M-149	25 X	50	8 C		1			1		
99-M-								1	38.0	2
99-M-150	15 X	25	4 C		1			1		
	25 X	25	5 C		1			1		
	50 X	75	13 C		1			1		
								3	41.6	10
99-M-151	15 X	15	3 C		1			1		
	25 X	50	8 C		1			1		
								2	34.8	2
99-M-152	15 X	15	3 C		2			2		
	50 X	50	10 C		1			1		
								3	40.4	5
99-M-154	NO VISIBLE GOLD									
99-M-155	25 X	50	8 C		1			1		
								1	42.0	2
99-M-156	50 X	75	13 C		1			1		
								1	42.8	9
99-M-157	25 X	100	13 C		1			1		
	50 X	75	13 C		1			1		
								2	40.8	18
99-M-201	50 X	50	10 C		1			1		
	50 X	75	13 C		1			1		
								2	33.2	17
99-M-202	NO VISIBLE GOLD									
99-M-203	25 X	25	5 C		3			3		
	25 X	100	13 C		1			1		
								4	42.0	11
99-M-204	50 X	50	10 C		1			1		
								1	33.2	6
99-M-205	25 X	25	5 C		2			2		
	25 X	100	13 C		1			1		
								3	33.2	13
99-M-206	NO VISIBLE GOLD									
99-M-207	NO VISIBLE GOLD									
99-M-208	50 X	75	13 C		1			1		
	50 X	75	13 C		1			1		
								2	38.4	19
99-M-209	50 X	75	13 C		2			2		
								2	33.2	22
99-M-210	NO VISIBLE GOLD									

Sample Site	Measurement Diameter (microns)		Thickness (microns)		Number of Grains Reshaped	Modified	Pristine	Total	Non-Magnetic (grams)	Calculated V.G. Assay (ppb)
99-M-211	25 X	25	5 C		1			1		
	50 X	50	10 C		1			1		
								2	37.6	6
99-M-212	NO VISIBLE GOLD									
99-M-213	15 X	15	3 C			1		1		
	15 X	25	4 C			1		1		
	25 X	25	5 C		1		1	2		
	25 X	50	8 C		1			1		
								5	32.0	5
99-M-214	15 X	15	3 C		1			1		
	25 X	25	5 C		1			1		
	25 X	50	8 C		2			2		
								4	34.0	6
99-M-215	15 X	25	4 C		1			1		
	50 X	75	13 C		1			1		
								2	38.4	10
99-M-217	NO VISIBLE GOLD									
99-M-218	NO VISIBLE GOLD									
99-M-219	NO VISIBLE GOLD									
99-M-220	25 X	25	5 C		2			2		
								2	38.0	1
99-M-221	50 X	75	13 C		1			1		
								1	37.6	10
99-M-223	NO VISIBLE GOLD									
99-M-224	15 X	25	4 C		1			1		
	50 X	75	13 C		1			1		
								2	36.0	11
99-M-225	NO VISIBLE GOLD									
99-M-226	NO VISIBLE GOLD									
99-M-227	25 X	50	8 C		1			1		
	50 X	50	10 C			1		1		
	50 X	75	13 C			1		1		
								3	30.0	22
99-M-228	25 X	50	8 C		1		1	2		
99-M-								2	28.0	6
99-M-229	15 X	15	3 C		1			1		
	15 X	25	4 C		1			1		
								2	26.8	1
99-M-230	NO VISIBLE GOLD									
99-M-233	NO VISIBLE GOLD									
99-M-234	NO VISIBLE GOLD									
99-M-235	25 X	25	5 C			1		1		
	25 X	50	8 C		1			1		
								2	33.6	3
99-M-236	15 X	25	4 C			1		1		
	25 X	25	5 C		1			1		
	50 X	100	15 C		1			1		
								3	30.0	23
99-M-237	NO VISIBLE GOLD									
99-M-238	NO VISIBLE GOLD									

Sample Site	Measurement Diameter (microns)		Thickness (microns)		Number of Grains Reshaped	Modified	Pristine	Total	Non-Magnetic (grams)	Calculated V.G. Assay (ppb)
99-M-239	15 X	25	4 C		1			1		
	25 X	50	8 C		1			1		
								2	32.0	3
99-M-240	NO VISIBLE GOLD									
99-M-241	NO VISIBLE GOLD									
99-M-242	50 X	75	13 C		1			1		
								1	28.4	13
99-M-243	NO VISIBLE GOLD									
99-M-245	15 X	25	4 C		1			1		
	25 X	25	5 C		1			1		
								2	27.2	1
99-M-246	NO VISIBLE GOLD									
99-M-248	NO VISIBLE GOLD									
99-M-249	15 X	25	4 C		1			1		
99-M-	25 X	25	5 C		1			1		
99-M-								2	31.2	1
99-M-250	25 X	25	5 C		1			1		
	25 X	50	8 C		1			1		
								2	36.0	3
99-M-251	NO VISIBLE GOLD									
99-M-252	NO VISIBLE GOLD									
99-M-253	NO VISIBLE GOLD									
99-M-257	25 X	25	5 C		2			2		
	75 X	75	15 C		1			1		
								3	12.8	54
99-M-259	25 X	25	5 C		1			1		
	50 X	50	10 C		1			1		
								2	22.0	10
99-M-260	25 X	50	8 C		1			1		
								1	24.4	3
99-M-261	15 X	25	4 C		1			1		
	25 X	50	8 C		1			1		
	50 X	75	13 C		1			1		
								3	36.0	13
99-M-262	25 X	25	5 C		2			2		
	50 X	50	10 C		1			1		
								3	34.4	7
99-M-263	15 X	25	4 C		1			1		
	25 X	25	5 C		2			2		
	50 X	50	10 C		1			1		
	50 X	100	15 C		1			1		
								5	32.0	28
99-M-264	50 X	50	10 C		1			1		
	50 X	125	50 M		1			1		
	75 X	75	15 C		1			1		
								3	27.2	136
99-M-265	NO VISIBLE GOLD									
99-M-266	NO VISIBLE GOLD									
99-M-267	50 X	50	10 C		1			1		
								1	23.2	8

Sample Site	Measurement Diameter (microns)	Measurement Thickness (microns)	Number of Grains Reshaped	Number of Grains Modified	Number of Grains Pristine	Number of Grains Total	Non-Magnetic (grams)	Calculated V.G. Assay (ppb)
99-M-268	15 X 25	4 C	1			1		
	25 X 50	8 C	2			2		
						3	27.6	6
99-M-269	25 X 50	8 C	1	1		2		
	50 X 50	10 C	1			1		
						3	26.4	13
99-M-271	50 X 50	10 C	1	1		2		
						2	28.8	13
99-M-272	NO VISIBLE GOLD							
99-M-273	25 X 25	5 C	1			1		
	25 X 50	8 C	1			1		
	50 X 50	10 C	1			1		
						3	26.8	11
99-M-274	NO VISIBLE GOLD							
99-M-275	15 X 25	4 C	1			1		
	50 X 75	13 C	1			1		
						2	28.4	14
99-M-276	NO VISIBLE GOLD							
99-M-277	25 X 50	8 C	1			1		
	50 X 50	10 C	1			1		
						2	38.8	7
99-M-278	15 X 15	3 C	1			1		
	50 X 50	10 C	1			1		
						2	37.2	5
99-M-279	NO VISIBLE GOLD							
99-M-280	NO VISIBLE GOLD							
99-M-281	NO VISIBLE GOLD							
99-M-282	NO VISIBLE GOLD							
99-M-284	NO VISIBLE GOLD							
99-M-286	NO VISIBLE GOLD							
99-M-287	NO VISIBLE GOLD							
99-M-288	NO VISIBLE GOLD							
99-M-289	NO VISIBLE GOLD							
99-M-290	75 X 75	15 C	1			1		
						1	30.4	21
99-M-291	NO VISIBLE GOLD							
99-M-292	50 X 50	10 C	1			1		
						1	37.6	5
99-M-293	NO VISIBLE GOLD							
99-M-294	25 X 25	5 C	1			1		
	50 X 75	13 C	1			1		
						2	32.0	12
99-M-295	NO VISIBLE GOLD							
99-M-296	NO VISIBLE GOLD							
99-M-297	NO VISIBLE GOLD							
99-M-298	15 X 25	4 C		1		1		
	50 X 75	13 C	1			1		
						2	37.2	10
99-M-300	25 X 50	8 C	1			1		
	50 X 50	10 C	2			2		
						3	38.4	12

Sample Site	Measurement Diameter (microns)		Thickness (microns)		Number of Grains Reshaped	Modified	Pristine	Total	Non-Magnetic (grams)	Calculated V.G. Assay (ppb)
99-M-301	25 X	25	5	C	2			2		
	50 X	50	10	C	1			1		
								3	32.8	7
99-M-302	50 X	50	10	C	1			1		
								1	36.0	5
99-M-303	50 X	50	10	C	1			1		
	75 X	125	50	M	1			1		
								2	36.4	108
99-M-304	NO VISIBLE GOLD									
99-M-305	NO VISIBLE GOLD									
99-M-306	NO VISIBLE GOLD									
99-M-307	NO VISIBLE GOLD									
99-M-308	NO VISIBLE GOLD									
99-M-309	15 X	25	4	C	1			1		
	25 X	25	5	C	1			1		
	50 X	50	10	C	1			1		
	50 X	75	13	C	1			1		
								4	35.2	17
99-M-310	NO VISIBLE GOLD									
99-M-311	NO VISIBLE GOLD									
99-M-312	NO VISIBLE GOLD									
99-M-313	NO VISIBLE GOLD									
99-M-314	NO VISIBLE GOLD									
99-M-315	NO VISIBLE GOLD									
99-M-316	25 X	50	8	C	1			1		
	50 X	50	10	C	1			1		
								2	35.2	8
99-M-317	25 X	25	5	C	1			1		
								1	35.2	1
99-M-319	15 X	25	4	C	1			1		
	25 X	50	8	C	1			1		
	50 X	100	50	M	1			1		
								3	26.4	83
99-M-320	25 X	50	8	C	1			1		
								1	36.4	2
99-M-324	NO VISIBLE GOLD									
99-M-326	NO VISIBLE GOLD									
99-M-327	25 X	50	8	C	1			1		
	50 X	50	10	C	1			1		
								2	36.0	8
99-M-329	25 X	25	5	C	2			2		
	50 X	50	10	C	1			1		
								3	35.6	7
99-M-330	25 X	25	5	C	1			1		
	25 X	50	8	C	1			1		
								2	35.2	3
99-M-331	15 X	25	4	C	1			1		
	25 X	50	8	C	1			1		
								2	35.6	3
99-M-332	50 X	50	10	C	2			2		
								2	41.2	9

Sample Site	Measurement Diameter (microns)			Thickness (microns)		Number of Grains Reshaped	Modified	Pristine	Total	Non-Magnetic (grams)	Calculated V.G. Assay (ppb)
99-M-334	NO VISIBLE GOLD										
99-M-335	NO VISIBLE GOLD										
99-M-338	NO VISIBLE GOLD										
99-M-339	NO VISIBLE GOLD										
99-M-341	50	X	75	13	C	1			1		
									1	36.0	10
99-M-342	NO VISIBLE GOLD										
99-M-343	100	X	200	29	C	1			1		
									1	26.8	184
99-M-344	25	X	25	5	C	2			2		
	50	X	50	10	C	1			1		
	50	X	125	18	C	1			1		
									4	30.0	42
99-M-345	15	X	25	4	C	1			1		
	25	X	25	5	C	1			1		
									2	26.8	1
99-M-346	NO VISIBLE GOLD										
99-M-347	50	X	50	10	C	1			1		
									1	36.0	5
99-M-349	25	X	50	8	C	1			1		
	50	X	75	13	C	1			1		
									2	33.2	14
99-M-350	NO VISIBLE GOLD										
99-M-351	15	X	25	4	C	2			2		
	25	X	25	5	C	2			2		
	25	X	50	8	C	1			1		
									5	27.2	6

Appendix G-9

Summary Table

Process Order	Sample Site	Bulk Rec'd (kg)	Table Split (kg)	+2 mm Clasts (kg)	Table Feed (kg)	Sample Description: Clasts >2.0 mm: Size	V/S	GR	LS	Matrix <2.0 mm: S/U	SD	ST	CY	Colour: Sand	Clay	Organics	Sediment
1	99-M-02	8.9	8.6	3.0	5.6	P	20	TR	80	U	Y	Y	Y	B	B	N	TILL
2	99-M-03	8.3	7.9	1.2	6.7	P	20	TR	80	U	Y	Y	Y	B	B	N	TILL
3	99-M-04	8.0	7.6	0.9	6.7	P	TR	TR	100	U	-	Y	+	B	B	N	TILL
4	99-M-05	7.6	7.1	0.4	6.7	P	20	40	40	U	-	+	Y	B	B	N	TILL
5	99-M-07	7.8	7.4	0.8	6.6	P	10	30	60	U	Y	Y	Y	B	B	N	TILL
6	99-M-08	8.2	7.8	0.8	7.0	P	30	20	50	U	Y	Y	Y	B	B	N	TILL
7	99-M-09	8.2	7.7	0.7	7.0	P	20	10	70	U	Y	Y	Y	B	B	N	TILL
8	99-M-10	6.7	6.2	0.6	5.6	P	50	10	40	U	Y	Y	Y	B	B	N	TILL
9	99-M-11	8.2	7.7	0.6	7.1	P	50	20	30	U	Y	Y	Y	B	B	N	TILL
10	99-M-12	7.9	7.5	0.6	6.9	P	40	10	50	U	Y	Y	Y	B	B	N	TILL
11	99-M-13	8.2	7.9	0.6	7.3	P	40	10	50	U	Y	Y	Y	B	B	N	TILL
12	99-M-14	7.9	7.5	0.5	7.0	P	30	10	60	U	Y	Y	Y	B	B	N	TILL
13	99-M-15	7.9	7.5	0.3	7.2	P	80	TR	20	U	Y	Y	Y	B	B	N	TILL
14	99-M-16	8.1	7.6	0.8	6.8	P	60	10	30	U	Y	Y	Y	B	GB	N	TILL
15	99-M-17	9.7	9.3	0.8	8.5	P	30	10	60	U	Y	Y	Y	B	B	N	TILL
16	99-M-18	9.4	8.8	2.4	6.4	P	30	10	60	U	Y	Y	Y	B	B	N	TILL
17	99-M-19	7.8	7.3	1.0	6.3	P	20	10	70	U	Y	Y	Y	B	B	N	TILL
18	99-M-21	8.7	8.1	0.2	7.9	P	40	TR	60	U	-	+	+	B	B	N	CLAY TILL
19	99-M-25	8.1	7.7	0.9	6.8	P	20	10	70	U	Y	Y	Y	B	B	N	TILL
20	99-M-26	8.6	8.1	1.1	7.0	P	20	20	60	U	Y	Y	Y	B	B	N	TILL
21	99-M-27	8.9	8.6	0.5	8.1	P	30	30	40	U	Y	Y	Y	B	B	N	TILL
22	99-M-28	7.1	6.7	0.9	5.8	P	20	30	50	U	Y	Y	Y	B	B	N	TILL
23	99-M-29	8.3	7.9	1.4	6.5	P	40	20	40	U	Y	Y	Y	B	B	N	TILL
24	99-M-30	8.3	7.8	0.6	7.2	P	20	30	50	U	Y	Y	Y	B	B	N	TILL
25	99-M-31	8.6	8.1	0.6	7.5	P	40	10	50	U	Y	Y	Y	B	B	N	TILL
26	99-M-32	5.9	5.4	0.2	5.2	P	40	50	10	U	Y	Y	Y	B	B	N	TILL
27	99-M-33	8.0	7.6	0.2	7.4	P	20	40	40	U	-	+	+	B	B	N	TILL
28	99-M-34	7.0	6.5	0.2	6.3	P	50	TR	50	U	-	+	+	GB	GB	N	TILL
29	99-M-35	7.6	7.1	0.5	6.6	P	30	50	20	U	Y	Y	Y	B	B	N	TILL
30	99-M-36	9.9	9.4	0.8	8.6	P	30	30	40	U	Y	Y	Y	B	B	N	TILL
31	99-M-39	9.5	9.0	0.8	8.2	P	30	50	20	U	Y	Y	Y	B	B	N	TILL
32	99-M-40	10.4	9.9	1.2	8.7	P	20	70	10	U	Y	Y	Y	B	B	N	TILL
33	99-M-41	8.4	8.0	0.8	7.2	P	10	80	10	U	Y	Y	Y	B	B	N	TILL
34	99-M-42	8.6	8.2	0.9	7.3	P	20	80	0	U	-	Y	+	B	B	N	TILL
35	99-M-43	8.6	8.2	0.5	7.7	P	20	70	10	U	Y	Y	Y	B	B	N	TILL
36	99-M-44	9.9	9.4	0.6	8.8	P	40	TR	60	U	Y	Y	Y	B	B	N	TILL
37	99-M-45	7.0	6.5	0.4	6.1	P	40	10	50	U	Y	Y	Y	B	B	N	TILL
38	99-M-46	8.5	8.0	0.4	7.6	P	30	10	60	U	Y	Y	Y	B	B	N	TILL
39	99-M-47	10.9	10.4	0.3	10.1	P	20	20	60	U	Y	Y	Y	B	B	N	TILL

Process Order	Sample Site	Bulk Rec'd (kg)	Table Split (kg)	+2 mm Clasts (kg)	Table Feed (kg)	Sample Description											
						Clasts >2.0 mm				Matrix <2.0 mm				Colour			
						Size	V/S	GR	LS	S/U	SD	ST	CY	Sand	Clay	Organics	Sediment
40	99-M-48	9.4	8.8	3.7	5.1	P	60	10	30	S	MC	-	N	LOC	NA	N	GRAVEL
41	99-M-49	9.8	9.2	0.6	8.6	P	20	20	60	U	Y	Y	Y	GB	GB	N	TILL
42	99-M-50	10.9	10.3	2.2	8.1	P	40	10	50	U	Y	Y	Y	B	B	N	TILL
43	99-M-51	6.8	6.3	0.1	6.2	P	90	10	0	U	Y	Y	Y	LOC	LOC	N	TILL
44	99-M-52	8.0	7.4	0.2	7.2	P	30	10	60	U	Y	+	Y	GB	GB	N	TILL
45	99-M-53	9.2	8.7	1.1	7.6	P	40	TR	60	U	Y	Y	Y	B	B	N	TILL
46	99-M-54	8.2	7.7	0.8	6.9	P	30	30	40	U	Y	Y	Y	GB	GB	N	TILL
47	99-M-55	7.9	7.4	0.4	7.0	P	20	20	60	U	Y	+	Y	GB	GB	N	TILL
48	99-M-56	10.6	10.2	2.3	7.9	C	50	30	20	U	Y	Y	Y	B	B	N	TILL
49	99-M-57	10.0	9.6	0.3	9.3	P	20	20	60	U	Y	Y	Y	B	B	N	TILL
50	99-M-59	8.9	8.5	0.4	8.1	P	50	10	40	U	Y	+	Y	B	B	N	TILL
51	99-M-63	9.6	9.1	1.5	7.6	P	20	20	60	U	Y	Y	Y	B	B	N	TILL
52	99-M-64	9.2	8.7	0.7	8.0	P	20	10	70	U	Y	Y	Y	B	B	N	TILL
53	99-M-65	8.3	7.7	0.5	7.2	P	30	10	60	U	Y	Y	Y	B	B	N	TILL
54	99-M-66	11.2	10.7	1.4	9.3	P	40	10	50	U	Y	Y	Y	GB	GB	N	TILL
55	99-M-67	10.3	9.8	0.5	9.3	P	20	20	60	U	Y	Y	Y	B	B	N	TILL
56	99-M-68	8.3	7.8	0.2	7.6	G	30	10	60	U	-	+	Y	B	B	N	TILL
57	99-M-69	7.9	7.3	0.2	7.1	P	10	10	80	U	-	+	+	B	B	Y	CLAY TILL
58	99-M-70	8.5	8.0	0.3	7.7	P	70	10	20	U	Y	+	Y	B	B	N	TILL
59	99-M-71	10.3	9.9	1.4	8.5	P	20	20	60	U	Y	Y	Y	B	B	N	TILL
60	99-M-73	10.2	9.7	0.8	8.9	P	30	30	40	U	Y	Y	Y	B	B	N	TILL
61	99-M-74	10.0	9.5	1.0	8.5	P	30	20	50	U	Y	Y	Y	B	B	N	TILL
62	99-M-75	9.3	8.8	1.5	7.3	P	20	20	60	U	Y	Y	Y	B	B	N	TILL
63	99-M-76	9.0	8.5	0.7	7.8	P	60	10	30	U	Y	Y	Y	B	B	N	TILL
64	99-M-77	8.0	7.5	1.0	6.5	P	30	30	40	U	Y	Y	Y	B	B	N	TILL
65	99-M-78	8.2	7.7	0.7	7.0	P	40	20	40	U	Y	Y	Y	B	B	Y	TILL
66	99-M-79	9.6	9.1	1.1	8.0	P	40	30	30	U	Y	Y	Y	B	B	N	TILL
67	99-M-80	11.2	10.7	1.1	9.6	P	20	40	40	U	Y	Y	Y	GB	GB	N	TILL
68	99-M-81	10.6	10.1	1.2	8.9	P	30	30	40	U	Y	Y	Y	GB	GB	N	TILL
69	99-M-82	10.9	10.4	1.0	9.4	P	35	15	50	U	Y	Y	Y	B	B	N	TILL
70	99-M-83	11.8	11.3	2.0	9.3	P	20	50	30	U	Y	Y	Y	B	B	N	TILL
71	99-M-84	9.3	8.8	1.1	7.7	P	20	50	30	U	Y	Y	Y	B	B	N	TILL
72	99-M-85	10.8	10.3	0.4	9.9	P	40	40	20	U	Y	+	Y	B	B	N	TILL
73	99-M-86	11.6	11.1	1.3	9.8	P	20	10	30	U	Y	Y	Y	B	B	N	TILL
74	99-M-87	9.4	8.9	3.6	5.3	P	30	10	60	U	+	Y	-	B	B	N	TILL
75	99-M-89	8.1	7.6	1.1	6.5	P	30	10	60	U	Y	Y	Y	GB	B	N	TILL
76	99-M-90	8.1	7.6	0.9	6.7	P	30	20	50	U	Y	Y	Y	B	B	N	TILL
77	99-M-91	8.4	7.9	1.5	6.4	P	20	20	60	U	Y	Y	Y	B	B	N	TILL
78	99-M-93	11.5	11.0	1.4	9.6	P	40	20	40	U	Y	Y	Y	B	B	N	TILL
79	99-M-94	9.4	8.9	1.6	7.3	P	40	20	40	U	Y	Y	Y	B	B	N	TILL
80	99-M-95	11.5	11.0	1.6	9.4	P	40	20	40	U	Y	Y	Y	GB	GB	N	TILL
81	99-M-97	10.6	10.1	2.8	7.3	P	40	20	40	U	Y	Y	Y	GB	B	N	TILL
82	99-M-98	10.0	9.5	3.2	6.3	P	50	10	40	U	+	Y	Y	B	B	N	TILL
83	99-M-100	10.0	9.4	3.9	5.5	P	30	20	50	U	+	-	-	B	B	N	SANDY TILL
84	99-M-101	9.4	8.8	2.3	6.5	P	40	10	50	U	Y	Y	Y	B	B	N	TILL

Process Order	Sample Site	Bulk Rec'd (kg)	Table Split (kg)	+2 mm Clasts (kg)	Table Feed (kg)	Sample Description: Clasts >2.0 mm Size	V/S	GR	LS	Matrix <2.0 mm S/U	SD	ST	CY	Colour Sand	Clay	Organics	Sediment
85	99-M-102	9.5	8.9	1.5	7.4	P	30	10	60	U	+	Y	Y	B	B	N	TILL
86	99-M-104	10.3	9.8	0.5	9.4	P	70	10	20	U	Y	Y	Y	GB	GB	N	TILL
87	99-M-105	12.1	11.5	2.4	9.1	P	30	20	50	U	Y	Y	Y	B	B	N	TILL
88	99-M-106	10.4	9.8	0.5	9.3	P	30	30	40	U	Y	Y	Y	B	B	N	TILL
89	99-M-107	11.1	10.6	0.6	10.0	P	20	20	60	U	Y	+	Y	B	B	N	TILL
90	99-M-108	10.2	9.6	0.5	9.1	P	30	20	50	U	Y	+	Y	B	B	N	TILL
91	99-M-109	10.8	10.3	1.0	9.3	P	40	10	50	U	Y	Y	Y	B	B	N	TILL
92	99-M-111	10.6	10.1	1.1	9.0	P	40	10	50	U	Y	Y	Y	GB	GB	N	TILL
93	99-M-112	10.1	9.5	3.4	6.1	P	30	20	50	U	+	Y	-	B	B	N	TILL
94	99-M-113	8.4	8.0	0.3	7.7	P	40	10	50	U	-	+	Y	B	B	N	TILL
95	99-M-114	10.3	9.6	0.8	8.8	P	45	5	50	U	Y	Y	Y	B	B	N	TILL
96	99-M-115	10.3	9.7	0.8	8.9	P	30	10	60	U	Y	+	Y	B	B	N	TILL
97	99-M-116	9.5	8.9	2.6	6.3	P	40	20	40	S	M,C	N	N	B	NA	N	SAND & GRAVEL
98	99-M-118	8.2	7.8	1.0	6.8	P	40	10	50	U	Y	Y	Y	B	B	N	TILL
99	99-M-121	11.3	10.7	1.0	9.7	P	30	20	50	U	Y	Y	Y	B	B	N	TILL
100	99-M-123	11.4	10.8	1.3	9.5	P	30	20	50	U	Y	Y	Y	B	B	N	TILL
101	99-M-124	11.6	11.1	1.0	10.1	P	30	10	60	U	Y	Y	Y	B	B	N	TILL
102	99-M-125	10.1	9.6	0.8	8.8	P	40	20	40	U	Y	Y	Y	B	B	N	TILL
103	99-M-126	10.6	10.1	1.6	8.5	P	30	10	60	U	Y	Y	Y	B	B	N	TILL
104	99-M-127	11.1	10.6	1.8	8.8	P	30	10	60	U	Y	Y	Y	B	B	N	TILL
105	99-M-129	10.7	10.2	2.7	7.5	P	30	10	60	U	+	Y	-	B	B	N	TILL
106	99-M-131	9.6	9.2	0.8	8.4	P	40	10	50	U	Y	Y	Y	B	B	N	TILL
107	99-M-134	11.3	10.9	1.3	9.6	P	40	10	50	U	Y	Y	Y	B	B	N	TILL
108	99-M-135	12.2	11.7	1.1	10.6	P	20	TR	80	U	Y	Y	Y	B	B	N	TILL
109	99-M-136	9.0	8.5	0.6	7.9	P	30	10	60	U	Y	Y	Y	B	B	N	TILL
110	99-M-139	10.5	9.8	3.0	6.8	P	40	10	50	U	+	Y	-	B	B	N	TILL
111	99-M-140	10.7	10.2	0.6	9.6	P	40	10	50	U	Y	Y	Y	B	B	N	TILL
112	99-M-142	9.3	8.8	1.4	7.4	P	40	10	50	U	Y	Y	Y	B	B	N	TILL
113	99-M-145	10.8	10.2	0.2	10.0	P	50	TR	50	U	Y	Y	Y	GB	GB	N	TILL
114	99-M-146	11.2	10.7	0.9	9.8	P	40	10	50	U	Y	Y	Y	B	B	N	TILL
115	99-M-147	11.4	10.8	0.8	10.0	P	30	TR	70	U	Y	Y	Y	B	B	N	TILL
116	99-M-148	11.6	11.0	1.0	10.0	P	30	10	60	U	Y	Y	Y	B	B	N	TILL
117	99-M-149	11.1	10.5	1.0	9.5	P	30	20	50	U	Y	Y	Y	B	B	N	TILL
118	99-M-150	11.8	11.2	0.8	10.4	P	40	TR	60	U	Y	Y	Y	B	B	N	TILL
119	99-M-151	9.8	9.3	0.6	8.7	P	40	30	30	U	Y	Y	Y	B	B	N	TILL
120	99-M-152	11.4	10.9	0.8	10.1	P	50	TR	50	U	Y	Y	Y	B	B	N	TILL
121	99-M-154	10.1	9.6	0.8	8.8	P	20	10	70	U	Y	Y	Y	B	B	N	TILL
122	99-M-155	11.1	10.5	1.4	9.1	P	30	10	60	U	Y	Y	Y	B	B	N	TILL
123	99-M-156	11.3	10.7	0.8	9.9	P	30	TR	70	U	Y	Y	Y	B	B	N	TILL
124	99-M-157	10.7	10.2	1.0	9.2	P	30	20	50	U	Y	Y	Y	B	B	N	TILL
125	99-M-201	8.9	8.3	1.7	6.6	P	50	TR	50	U	Y	Y	Y	GY	GB	N	TILL
126	99-M-202	9.3	8.7	2.6	6.1	P	50	TR	50	U	Y	Y	Y	GY	GB	N	TILL
127	99-M-203	10.1	10.5	1.4	9.1	P	40	10	50	U	Y	Y	Y	B	B	N	TILL
128	99-M-204	8.8	8.3	0.7	7.6	P	30	20	50	U	-	+	Y	B	B	N	TILL
129	99-M-205	8.9	8.3	0.4	7.9	P	50	TR	50	U	Y	Y	Y	GY	GB	N	TILL

Process Order	Sample Site	Bulk Rec'd (kg)	Table Split (kg)	+2 mm Clasts (kg)	Table Feed (kg)	Sample Description											
						Clasts >2.0 mm				Matrix <2.0 mm				Colour			
						Size	V/S	GR	LS	S/U	SD	ST	CY	Sand	Clay	Organics	Sediment
130	99-M-206	7.1	6.6	0.5	6.1	P	30	10	60	U	Y	Y	Y	B	B	N	TILL
131	99-M-207	7.5	7.0	0.9	6.1	P	30	TR	70	U	Y	Y	Y	B	B	N	TILL
132	99-M-208	10.1	9.6	0.4	9.2	P	20	TR	80	U	Y	Y	Y	B	B	N	TILL
133	99-M-209	8.9	8.3	0.5	7.8	P	40	TR	60	U	Y	+	Y	GY	GB	N	TILL
134	99-M-210	7.9	7.3	0.9	6.4	P	40	10	50	U	Y	Y	Y	B	B	N	TILL
135	99-M-211	9.9	9.4	1.0	8.4	P	40	TR	60	U	Y	Y	Y	GB	GB	N	TILL
136	99-M-212	7.2	6.8	0.4	6.4	P	40	10	50	U	Y	Y	Y	B	B	N	TILL
137	99-M-213	8.5	8.0	0.6	7.4	P	40	10	50	U	Y	Y	Y	GB	GB	N	TILL
138	99-M-214	9.1	8.5	0.7	7.8	P	40	20	40	U	Y	Y	Y	B	B	N	TILL
139	99-M-215	10.1	9.6	0.8	8.8	P	40	20	40	U	Y	Y	Y	B	B	N	TILL
140	99-M-217	8.9	8.4	5.4	3.0	P	30	10	60	S	M,C	-	N	B	NA	N	GRAVEL
141	99-M-218	7.3	6.8	0.3	6.5	P	50	TR	50	U	Y	Y	Y	B	B	N	TILL
142	99-M-219	8.0	7.4	0.4	7.0	P	30	TR	70	U	Y	Y	Y	B	B	N	TILL
143	99-M-220	10.0	9.5	0.4	9.1	P	40	10	50	U	Y	Y	Y	GB	GB	N	TILL
144	99-M-221	10.0	9.4	0.6	8.8	P	70	TR	30	U	Y	Y	Y	GY	GY	N	TILL
145	99-M-223	8.8	8.1	2.3	5.8	P	50	TR	50	U	+	Y	-	B	B	N	TILL
146	99-M-224	9.5	9.1	1.3	7.8	P	10	10	80	U	Y	Y	Y	B	B	N	TILL
147	99-M-225	8.1	7.6	1.7	5.9	P	50	TR	50	U	+	Y	Y	B	B	N	TILL
148	99-M-226	7.4	7.0	1.0	6.0	P	40	TR	60	U	Y	Y	Y	B	B	N	TILL
149	99-M-227	8.1	7.5	0.9	6.6	P	50	TR	50	U	Y	Y	Y	B	B	N	TILL
150	99-M-228	7.4	7.0	0.6	6.4	P	30	10	60	U	Y	Y	Y	B	B	N	TILL
151	99-M-229	7.2	6.7	1.3	5.4	P	50	10	40	U	Y	Y	Y	B	B	N	TILL
152	99-M-230	8.0	7.5	1.0	6.5	P	40	TR	60	U	Y	Y	Y	B	B	N	TILL
153	99-M-233	7.3	6.8	0.7	6.1	P	40	TR	60	U	Y	Y	Y	B	B	N	TILL
154	99-M-234	7.6	7.1	0.8	6.3	P	30	10	60	U	Y	Y	Y	B	B	N	TILL
155	99-M-235	9.0	8.4	2.5	5.9	P	80	0	20	U	+	Y	Y	BN	LBN	N	TILL
156	99-M-236	8.0	7.5	0.6	6.9	P	50	10	40	U	Y	Y	Y	B	B	N	TILL
157	99-M-237	7.6	7.1	1.0	6.1	P	30	30	40	U	Y	Y	Y	B	B	N	TILL
158	99-M-238	8.4	7.8	0.4	7.4	P	50	TR	50	U	Y	Y	Y	B	B	N	TILL
159	99-M-239	8.6	8.0	0.7	7.3	P	50	10	40	U	Y	Y	Y	B	B	N	TILL
160	99-M-240	9.4	8.8	0.3	8.5	P	50	TR	50	U	-	+	Y	B	B	N	TILL
161	99-M-241	8.2	7.7	0.6	7.1	P	40	TR	60	U	Y	Y	Y	B	B	N	TILL
162	99-M-242	8.1	7.6	0.5	7.1	P	30	TR	70	U	Y	Y	Y	B	B	N	TILL
163	99-M-243	9.0	8.4	1.2	7.2	P	40	10	50	U	Y	Y	Y	B	B	N	TILL
164	99-M-245	8.3	7.8	1.0	6.8	P	40	20	40	U	Y	Y	Y	B	B	N	TILL
165	99-M-246	9.2	8.7	1.0	7.7	P	30	10	60	U	Y	Y	Y	B	B	N	TILL
166	99-M-248	10.4	9.9	0.6	9.3	P	50	10	40	U	Y	Y	Y	B	B	N	TILL
167	99-M-249	8.5	8.5	0.7	7.8	P	10	10	80	U	Y	Y	Y	B	B	N	TILL
168	99-M-250	9.8	9.4	0.4	9.0	P	50	10	40	U	Y	Y	Y	B	B	N	TILL
169	99-M-251	9.6	9.1	0.3	8.8	P	40	TR	60	U	Y	Y	Y	B	B	N	TILL
170	99-M-252	9.4	8.7	1.3	7.4	P	70	20	10	U	Y	Y	Y	B	B	N	TILL
171	99-M-253	8.0	7.4	1.1	6.3	P	30	10	60	U	Y	Y	Y	B	B	N	TILL
172	99-M-257	7.5	6.0	2.8	3.2	P	30	10	60	U	+	Y	-	B	B	N	SANDY TILL
173	99-M-259	6.5	6.1	0.6	5.5	P	50	TR	50	U	Y	Y	Y	B	B	N	TILL
174	99-M-260	7.1	6.7	0.6	6.1	P	20	10	70	U	Y	Y	Y	B	B	N	TILL

Process Order	Sample Site	Bulk Rec'd (kg)	Table Split (kg)	+2 mm Clasts (kg)	Table Feed (kg)	Sample Description: Clasts >2.0 mm Size	V/S	GR	LS	Matrix <2.0 mm S/U	SD	ST	CY	Colour Sand	Clay	Organics	Sediment
175	99-M-261	10.0	9.4	0.4	9.0	P	40	TR	60	U	Y	+	Y	B	B	N	TILL
176	99-M-262	9.9	9.3	0.7	8.6	P	30	10	60	U	Y	Y	Y	B	B	N	TILL
177	99-M-263	8.6	8.2	0.2	8.0	P	40	TR	60	U	Y	+	Y	B	B	N	TILL
178	99-M-264	10.0	9.4	2.6	6.8	P	35	5	60	U	Y	Y	Y	B	B	N	TILL
179	99-M-265	8.4	7.9	0.3	7.6	P	40	TR	60	U	Y	+	Y	B	B	N	TILL
180	99-M-266	8.5	7.9	1.2	6.7	P	30	20	50	U	Y	Y	Y	B	B	N	TILL
181	99-M-267	7.0	6.4	0.6	5.8	P	20	20	60	U	Y	Y	Y	B	B	N	TILL
182	99-M-268	7.6	7.2	0.3	6.9	P	20	20	60	U	Y	Y	Y	B	B	N	TILL
183	99-M-269	7.9	7.3	0.7	6.6	P	30	5	65	U	Y	Y	Y	B	B	N	TILL
184	99-M-271	8.0	7.4	0.2	7.2	P	40	TR	60	U	-	+	+	B	B	N	TILL
185	99-M-272	9.9	9.3	0.7	8.6	P	30	30	40	U	-	+	Y	B	B	N	TILL
186	99-M-273	7.9	7.4	0.7	6.7	P	30	20	50	U	Y	Y	Y	B	B	N	TILL
187	99-M-274	9.3	8.8	0.1	8.7	P	40	20	40	U	-	+	+	B	B	N	SILTY TILL
188	99-M-275	8.3	7.8	0.7	7.1	P	35	15	50	U	-	+	+	B	B	N	SILTY TILL
189	99-M-276	8.3	7.7	0.4	7.3	P	35	5	60	U	Y	Y	Y	B	B	N	TILL
190	99-M-277	10.7	10.2	0.5	9.7	P	30	20	50	U	Y	Y	Y	B	B	N	TILL
191	99-M-278	10.6	10.0	0.7	9.3	P	25	25	50	U	Y	Y	Y	B	B	N	TILL
192	99-M-279	8.9	8.4	0.1	8.3	P	30	20	50	U	Y	Y	Y	B	B	N	TILL
193	99-M-280	10.1	9.6	0.3	9.3	P	20	20	60	U	-	+	Y	B	B	N	TILL
194	99-M-281	10.3	9.8	1.0	8.8	P	30	15	55	U	Y	+	+	B	B	N	TILL
195	99-M-282	7.9	7.3	0.4	6.9	P	35	10	55	U	Y	+	+	B	B	N	TILL
196	99-M-284	10.7	10.1	0.6	9.5	P	30	20	50	U	-	+	+	B	B	N	TILL
197	99-M-286	8.4	7.7	2.1	5.6	P	15	20	65	U	Y	+	+	B	B	N	TILL
198	99-M-287	10.5	10.1	0.8	9.3	P	30	20	50	U	Y	+	+	B	B	N	TILL
199	99-M-288	10.7	10.7	0.8	9.9	P	30	10	60	U	Y	+	+	B	B	N	TILL
200	99-M-289	10.9	10.3	1.2	9.1	P	30	20	50	U	Y	+	+	B	B	N	TILL
201	99-M-290	8.8	8.3	0.7	7.6	P	15	5	80	U	Y	+	+	B	B	Y	TILL
202	99-M-291	7.8	7.4	0.6	6.8	P	15	5	80	U	Y	Y	Y	B	B	N	TILL
203	99-M-292	11.9	11.2	1.8	9.4	P	25	5	70	U	Y	Y	Y	B	B	N	TILL
204	99-M-293	10.0	9.4	1.1	8.3	P	15	5	80	U	Y	Y	Y	B	B	N	TILL
205	99-M-294	9.3	8.8	0.8	8.0	P	45	5	50	U	Y	Y	Y	GY	GY	N	TILL
206	99-M-295	9.3	8.8	1.4	7.4	P	20	5	75	U	+	-	-	B	B	N	SANDY TILL
207	99-M-296	11.0	10.5	1.3	9.2	P	15	5	80	U	Y	Y	Y	GY	GB	N	TILL
208	99-M-297	9.9	9.5	0.5	9.0	P	80	5	15	U	-	+	Y	B	B	N	SILTY TILL
209	99-M-298	10.8	10.2	0.9	9.3	P	25	5	70	U	Y	Y	Y	B	B	N	TILL
210	99-M-300	10.5	9.9	0.3	9.6	P	30	30	40	U	-	+	+	B	B	N	SILTY TILL
211	99-M-301	8.9	8.4	0.2	8.2	P	30	10	60	U	Y	Y	Y	B	B	N	TILL
212	99-M-302	10.0	9.6	0.6	9.0	P	40	20	40	U	Y	Y	Y	GB	B	N	TILL
213	99-M-303	10.3	9.7	0.6	9.1	P	40	10	50	U	Y	Y	Y	B	B	N	TILL
214	99-M-304	10.8	10.2	1.0	9.2	P	60	30	10	U	Y	+	+	GY	GB	N	TILL
215	99-M-305	11.8	11.2	0.2	11.0	P	50	10	40	U	-	+	+	B	B	N	SILTY TILL
216	99-M-306	10.2	9.6	0.7	8.9	P	40	10	50	U	Y	Y	Y	B	B	Y	TILL
217	99-M-307	9.1	8.5	0.9	7.6	P	30	TR	70	S	MC	Y	N	B	NA	N	SAND
218	99-M-308	11.4	10.8	0.6	10.2	P	40	TR	60	U	Y	+	+	B	B	N	TILL
219	99-M-309	9.5	9.1	0.3	8.8	P	30	10	60	U	Y	+	+	B	B	N	TILL
220	99-M-310	8.2	7.6	0.8	6.8	P	30	10	60	U	Y	+	+	GB	B	N	TILL
221	99-M-311	10.4	9.9	0.6	9.3	P	20	5	75	U	Y	Y	Y	GB	GB	N	TILL

Process Order	Sample Site	Bulk Rec'd (kg)	Table Split (kg)	+2 mm Clasts (kg)	Table Feed (kg)	Sample Description											
						Clasts >2.0 mm				Matrix <2.0 mm				Colour			
						Size	V/S	GR	LS	S/U	SD	ST	CY	Sand	Clay	Organics	Sediment
222	99-M-312	7.6	7.0	1.5	5.5	P	20	TR	80	U	Y	Y	Y	B	B	Y	TILL
223	99-M-313	8.0	7.4	1.6	5.8	P	15	TR	85	S	MC	N	N	B	NA	N	SAND
224	99-M-314	10.9	10.5	0.8	9.7	P	10	TR	90	U	Y	Y	Y	GB	GB	N	TILL
225	99-M-315	11.2	10.6	0.8	9.8	P	20	5	75	U	Y	Y	Y	B	B	N	TILL
226	99-M-316	10.6	10.0	1.2	8.8	P	10	10	80	U	Y	Y	Y	B	B	N	TILL
227	99-M-317	10.0	9.3	0.5	8.8	P	45	TR	55	U	Y	Y	Y	GY	GY	Y	TILL
228	99-M-319	7.8	7.2	0.6	6.6	P	20	5	75	U	Y	Y	Y	B	B	N	TILL
229	99-M-320	10.1	9.6	0.5	9.1	P	1	5	94	U	Y	Y	Y	B	B	N	TILL
230	99-M-324	7.8	7.2	0.3	6.9	P	30	TR	70	U	Y	Y	Y	B	B	N	TILL
231	99-M-326	10.1	9.3	0.6	8.7	P	10	TR	90	U	Y	Y	Y	B	B	N	TILL
232	99-M-327	10.3	9.7	0.7	9.0	P	15	TR	85	U	Y	Y	Y	B	B	N	TILL
233	99-M-329	10.3	9.7	0.8	8.9	P	10	TR	90	U	Y	Y	Y	GB	B	N	TILL
234	99-M-330	10.2	9.6	0.8	8.8	P	10	TR	90	U	Y	Y	Y	GB	B	N	TILL
235	99-M-331	9.9	9.4	0.5	8.9	P	10	TR	90	U	Y	Y	Y	B	B	N	TILL
236	99-M-332	10.6	10.9	0.6	10.3	P	10	TR	90	U	Y	Y	Y	B	B	N	TILL
237	99-M-334	9.4	8.8	1.9	6.9	P	10	TR	90	U	Y	Y	Y	GB	B	N	TILL
238	99-M-335	11.0	10.4	0.8	9.6	P	15	TR	85	U	Y	Y	Y	B	B	N	TILL
239	99-M-338	9.7	9.3	1.1	8.2	P	10	TR	90	U	Y	Y	Y	GB	B	N	TILL
240	99-M-339	9.5	9.0	4.7	4.3	P	10	TR	90	U	+	-	Y	B	B	N	TILL
241	99-M-341	10.3	9.8	0.8	9.0	P	20	10	70	U	Y	Y	Y	GB	B	N	TILL
242	99-M-342	9.9	9.2	0.8	8.4	P	20	10	70	U	Y	Y	Y	GB	B	N	TILL
243	99-M-343	9.7	8.5	1.8	6.7	P	30	20	50	U	Y	Y	Y	GB	B	N	TILL
244	99-M-344	8.9	8.3	0.8	7.5	P	30	10	60	U	Y	Y	Y	GB	B	N	TILL
245	99-M-345	8.0	7.3	0.6	6.7	P	20	20	60	U	Y	Y	Y	B	B	N	TILL
246	99-M-346	9.0	8.4	0.8	7.6	P	40	10	50	U	Y	Y	Y	GB	B	N	TILL
247	99-M-347	10.7	10.1	1.1	9.0	P	20	20	60	U	Y	Y	Y	B	B	N	TILL
248	99-M-349	10.1	9.5	1.2	8.3	P	40	20	40	U	Y	Y	Y	GY	GB	N	TILL
249	99-M-350	9.5	8.9	1.4	7.5	P	30	10	60	U	Y	Y	Y	B	B	N	TILL
250	99-M-351	8.5	7.9	1.1	6.8	P	10	10	80	U	Y	Y	Y	B	B	N	TILL

Sample Site	Table Concentrate <2.0 mm (grams)									Selected PseudoKIMs		
	Total	M.I. Separation SG = 3.20 M.I. Lights	Total Mag	Nonmag Total	-0.25 mm	<0.25 mm (wash)	0.25 to 0.5 mm	0.5 to 1.0 mm	1.0 to 2.0 mm	1.0-2.0 mm Low-Cr diopside	0.5-1.0 mm Low-Cr diopside	0.25-0.5 mm Low-Cr diopside
99-M-02	724.5	702.7	5.6	16.2	12.3	0.4	2.6	0.50	0.40	0	0	1
99-M-03	605.3	582.0	5.9	17.4	14.2	0.3	2.2	0.60	0.10	0	0	0
99-M-04	536.1	526.7	2.5	6.9	5.5	0.1	0.9	0.30	0.10	0	0	0
99-M-05	410.3	397.1	2.8	10.4	7.8	0.4	1.5	0.50	0.20	0	0	0
99-M-07	682.5	648.1	6.8	27.6	22.8	0.4	3.3	0.80	0.30	0	0	0
99-M-08	556.6	537.4	4.5	14.7	11.3	0.3	2.1	0.70	0.30	0	0	1
99-M-09	531.2	514.7	3.8	12.7	9.2	0.4	2.2	0.70	0.20	0	0	2
99-M-10	418.9	408.5	2.7	7.7	5.6	0.2	1.3	0.40	0.20	0	0	0
99-M-11	617.6	596.9	5.4	15.3	12.2	0.4	2.0	0.50	0.20	0	0	1
99-M-12	519.2	505.6	3.9	9.7	7.1	0.3	1.6	0.50	0.20	0	0	0
99-M-13	541.0	519.7	4.8	16.5	13.6	0.4	2.0	0.40	0.10	0	1	1
99-M-14	443.0	425.5	4.0	13.5	10.9	0.4	1.7	0.40	0.10	0	0	0
99-M-15	1424.0	1398.9	4.0	21.1	11.9	0.4	7.8	0.90	0.10	0	0	0
99-M-16	651.3	637.6	2.3	11.4	7.8	0.2	2.6	0.60	0.20	0	0	0
99-M-17	519.6	498.4	5.2	16.0	13.1	0.1	2.0	0.60	0.20	0	0	0
99-M-18	635.1	602.9	9.4	22.8	14.7	1.5	4.6	1.80	0.20	0	0	0
99-M-19	843.8	823.0	5.3	15.5	10.7	0.3	3.4	0.90	0.20	0	0	1
99-M-21	425.1	401.9	5.8	17.4	15.6	0.2	1.2	0.30	0.10	0	0	0
99-M-25	477.6	458.9	5.0	13.7	10.2	0.2	1.9	0.70	0.70	0	0	1
99-M-26	574.8	555.0	5.2	14.6	11.4	0.3	2.1	0.50	0.30	0	0	0
99-M-27	711.0	692.5	4.2	14.3	11.6	0.3	1.8	0.40	0.20	0	0	1
99-M-28	620.6	607.4	3.7	9.5	7.5	0.3	1.3	0.30	0.10	0	0	0
99-M-29	636.5	624.2	3.2	9.1	6.5	0.4	1.2	0.50	0.50	0	0	0
99-M-30	433.5	410.6	6.2	16.7	13.9	0.4	1.6	0.50	0.30	0	0	0
99-M-31	511.8	503.8	2.2	5.8	4.2	0.3	0.9	0.30	0.10	0	0	0
99-M-32	398.6	386.0	2.3	10.3	8.9	0.2	0.9	0.20	0.10	0	0	0
99-M-33	356.0	345.3	2.0	8.7	7.5	0.1	0.8	0.20	0.10	0	0	0
99-M-34	446.7	436.6	2.6	7.5	6.3	0.1	0.8	0.20	0.10	0	0	0
99-M-35	446.2	429.4	3.8	13.0	10.2	0.3	1.5	0.50	0.50	0	0	0
99-M-36	573.8	556.2	4.3	13.3	10.5	0.3	1.8	0.50	0.20	0	0	0
99-M-39	683.6	660.8	5.7	17.1	13.7	0.3	2.2	0.60	0.30	0	0	0
99-M-40	659.2	629.3	6.9	23.0	18.2	0.4	3.2	0.90	0.30	0	0	0
99-M-41	590.6	570.6	4.6	15.4	12.5	0.3	1.9	0.50	0.20	0	0	0
99-M-42	762.2	749.1	2.4	10.7	8.3	0.3	1.6	0.40	0.10	0	0	0
99-M-43	521.8	504.4	4.1	13.3	10.9	0.1	1.7	0.40	0.20	0	0	0
99-M-44	552.3	530.5	4.7	17.1	14.2	0.2	1.9	0.60	0.20	0	0	0
99-M-45	524.1	515.9	2.1	6.1	4.6	0.1	0.9	0.30	0.20	0	0	0
99-M-46	415.4	399.1	3.6	12.7	10.4	0.1	1.6	0.40	0.20	0	0	0
99-M-47	515.4	486.8	6.6	22.0	19.4	0.1	1.9	0.50	0.10	0	0	0

Sample Site	Table Concentrate <2.0 mm (grams)									Selected PseudoKIMs		
	Total	M.I. Separation SG = 3.20 M.I. Lights	Total Mag	Nonmag Total	-0.25 mm	<0.25 mm (wash)	0.25 to 0.5 mm	0.5 to 1.0 mm	1.0 to 2.0 mm	1.0-2.0 mm Low-Cr diopside	0.5-1.0 mm Low-Cr diopside	0.25-0.5 mm Low-Cr diopside
99-M-48	1163.6	1149.8	1.2	12.6	5.4	0.3	3.9	1.60	1.40	0	0	0
99-M-49	529.9	512.1	4.3	13.5	10.2	1.0	1.8	0.40	0.10	0	0	0
99-M-50	696.6	661.0	8.7	26.9	20.4	0.8	3.9	1.30	0.50	0	0	0
99-M-51	438.4	421.1	0.6	16.7	13.2	1.0	1.9	0.40	0.20	0	0	0
99-M-52	448.5	429.7	4.3	14.5	12.6	0.4	1.1	0.30	0.06	0	0	1
99-M-53	517.4	494.4	6.4	16.6	12.4	0.7	2.4	0.70	0.40	0	0	1
99-M-54	393.8	382.5	2.6	8.7	6.0	0.6	1.4	0.40	0.30	0	0	0
99-M-55	440.7	426.1	3.6	11.0	8.5	0.6	1.4	0.40	0.10	0	0	0
99-M-56	741.7	701.4	11.2	29.1	23.8	0.9	3.0	0.90	0.50	0	0	1
99-M-57	444.1	421.6	4.6	17.9	15.1	0.3	2.0	0.40	0.10	0	0	1
99-M-59	502.3	480.7	4.5	17.1	14.4	0.4	1.7	0.40	0.20	0	0	1
99-M-63	620.9	576.2	13.0	31.7	22.8	1.2	5.4	1.70	0.60	0	0	0
99-M-64	408.9	386.1	5.0	17.8	14.4	0.6	1.8	0.60	0.40	0	0	0
99-M-65	508.1	487.6	5.1	15.4	12.0	0.8	1.9	0.50	0.20	0	0	1
99-M-66	677.9	654.3	5.7	17.9	11.9	1.2	3.7	0.80	0.30	0	0	2
99-M-67	548.5	523.8	5.8	18.9	15.1	0.9	2.1	0.60	0.20	0	0	0
99-M-68	301.8	280.9	4.6	16.3	14.6	0.6	0.8	0.20	0.10	0	0	0
99-M-69	268.0	264.3	0.8	2.9	2.5	0.0	0.3	0.04	0.01	0	0	0
99-M-70	384.6	372.4	0.6	11.6	8.7	0.6	1.7	0.50	0.10	0	0	0
99-M-71	604.7	580.8	5.3	18.6	13.7	0.8	2.8	0.90	0.40	0	0	0
99-M-73	536.0	507.7	6.2	22.1	17.3	0.9	2.7	0.80	0.40	0	0	1
99-M-74	608.6	584.4	7.3	16.9	13.5	0.4	2.1	0.60	0.30	0	0	0
99-M-75	626.3	598.3	8.9	19.1	14.1	0.5	2.9	1.10	0.50	0	0	0
99-M-76	539.4	516.5	6.8	16.1	13.4	0.4	1.8	0.40	0.10	0	0	2
99-M-77	447.9	427.3	5.7	14.9	11.7	0.3	2.0	0.60	0.30	0	0	2
99-M-78	630.8	616.9	4.4	9.5	7.1	0.3	1.4	0.50	0.20	0	0	0
99-M-79	507.9	487.6	5.9	14.4	11.6	0.3	1.8	0.50	0.20	0	0	1
99-M-80	614.9	588.3	8.0	18.6	15.0	0.4	2.4	0.60	0.20	0	0	1
99-M-81	593.3	559.0	9.2	25.1	21.1	0.6	2.5	0.60	0.30	0	0	2
99-M-82	658.0	627.5	8.6	21.9	17.9	0.5	2.6	0.70	0.20	0	0	2
99-M-83	733.6	691.3	12.2	30.1	23.1	0.6	4.8	1.20	0.40	0	1	4
99-M-84	563.3	537.7	6.9	18.7	15.5	0.2	2.2	0.50	0.30	0	0	0
99-M-85	642.6	621.3	3.7	17.6	15.3	0.4	1.6	0.30	0.03	0	0	0
99-M-86	647.7	616.9	8.9	21.9	17.2	0.3	3.2	0.90	0.30	0	0	2
99-M-87	700.2	683.3	5.0	11.9	8.6	0.3	1.9	0.70	0.40	0	0	1
99-M-89	548.9	529.9	5.2	13.8	11.2	0.2	1.8	0.40	0.20	0	0	3
99-M-90	468.3	443.4	6.1	18.8	16.7	0.3	1.4	0.30	0.10	0	0	0
99-M-91	581.1	567.0	4.1	10.0	7.4	0.2	1.8	0.40	0.20	0	0	1
99-M-93	701.6	671.7	7.8	22.1	17.9	0.4	2.8	0.70	0.30	0	0	2
99-M-94	698.2	668.8	7.5	21.9	17.0	0.5	2.9	0.90	0.60	0	0	0
99-M-95	714.6	688.2	6.9	19.5	15.0	0.4	3.1	0.70	0.30	0	0	1
99-M-97	628.2	590.4	10.6	27.2	21.6	0.4	3.8	0.80	0.60	0	0	1
99-M-98	768.0	741.6	7.1	19.3	13.7	0.5	3.6	1.00	0.50	0	0	0
99-M-100	866.7	844.7	6.5	15.5	6.7	0.8	6.0	1.20	0.80	0	0	3
99-M-101	761.0	731.4	8.4	21.2	15.0	0.7	4.1	0.90	0.50	0	0	7

	Table Concentrate <2.0 mm (grams)									Selected PseudoKIMs		
		M.I. Separation SG = 3.20								1.0-2.0 mm	0.5-1.0 mm	0.25-0.5 mm
Sample Site	Total	M.I. Lights	Total Mag	Nonmag Total	-0.25 mm	<0.25 mm (wash)	0.25 to 0.5 mm	0.5 to 1.0 mm	1.0 to 2.0 mm	Low-Cr diopside	Low-Cr diopside	Low-Cr diopside
99-M-102	552.7	525.0	6.7	21.0	17.7	0.2	2.4	0.50	0.20	0	1	2
99-M-104	522.2	499.0	6.0	17.2	14.8	0.2	1.6	0.40	0.20	0	0	2
99-M-105	885.7	839.3	11.9	34.5	26.9	0.7	5.1	1.20	0.60	0	0	4
99-M-106	573.6	548.3	6.5	18.8	15.3	0.2	2.4	0.70	0.20	0	0	1
99-M-107	506.3	477.3	7.1	21.9	18.8	0.3	2.2	0.50	0.10	0	0	2
99-M-108	510.0	481.8	6.5	21.7	18.7	0.4	2.0	0.40	0.20	0	0	4
99-M-109	654.5	620.3	9.0	25.2	21.3	0.3	2.9	0.60	0.10	0	0	1
99-M-111	489.9	462.3	7.1	20.5	16.8	0.4	2.6	0.50	0.20	0	0	1
99-M-112	663.0	611.1	14.3	37.6	29.4	0.5	5.5	1.40	0.80	0	0	6
99-M-113	414.6	390.2	5.7	18.7	16.3	0.4	1.6	0.30	0.10	0	0	1
99-M-114	497.2	467.5	7.4	22.3	18.8	0.3	2.6	0.50	0.10	0	0	2
99-M-115	449.5	415.9	8.4	25.2	22.1	0.3	2.2	0.50	0.10	0	0	2
99-M-116	899.4	874.7	4.2	20.5	10.4	0.3	5.8	2.00	2.00	0	0	3
99-M-118	472.5	449.4	6.2	16.9	14.1	0.4	1.8	0.40	0.20	0	0	1
99-M-121	575.2	552.7	5.9	16.6	13.1	0.4	2.2	0.70	0.20	0	0	0
99-M-123	722.7	698.3	5.7	18.7	14.5	0.5	2.6	0.80	0.30	0	0	0
99-M-124	519.6	491.1	7.2	21.3	17.5	0.5	2.6	0.60	0.10	0	0	3
99-M-125	516.9	489.1	6.0	21.8	17.5	0.3	3.2	0.60	0.20	0	0	3
99-M-126	707.8	682.9	6.1	18.8	13.5	0.6	3.4	0.90	0.40	0	0	3
99-M-127	640.5	605.3	8.4	26.8	21.0	0.5	3.9	1.00	0.40	0	0	2
99-M-129	696.2	669.1	5.4	21.7	16.0	0.5	4.0	0.90	0.30	0	0	1
99-M-131	456.5	440.9	3.5	12.1	9.4	0.5	1.6	0.40	0.20	0	0	1
99-M-134	495.9	466.0	6.8	23.1	19.0	0.7	2.6	0.60	0.20	0	0	1
99-M-135	628.5	604.6	5.6	18.3	14.6	0.6	2.3	0.50	0.30	0	0	2
99-M-136	444.6	424.9	5.1	14.6	11.9	0.3	1.9	0.40	0.10	0	0	1
99-M-139	747.8	727.3	5.5	15.0	8.6	0.7	4.3	1.00	0.40	0	0	2
99-M-140	458.7	442.1	3.8	12.8	10.2	0.4	1.8	0.30	0.10	0	0	1
99-M-142	528.7	501.1	6.7	20.9	16.4	0.3	3.2	0.70	0.30	0	0	3
99-M-145	429.0	408.0	3.4	17.6	13.8	0.8	2.4	0.50	0.10	0	0	1
99-M-146	577.3	542.1	7.9	27.3	21.8	0.7	3.6	0.80	0.40	0	0	2
99-M-147	569.3	537.3	7.1	24.9	20.5	0.6	2.9	0.70	0.20	0	0	2
99-M-148	577.5	556.5	4.8	16.2	12.5	0.4	2.3	0.70	0.30	0	0	1
99-M-149	481.5	459.2	5.2	17.1	13.0	1.0	2.4	0.50	0.20	0	0	0
99-M-150	548.3	499.9	11.7	36.7	32.5	0.8	2.7	0.60	0.10	0	0	0
99-M-151	483.6	465.5	3.7	14.4	11.2	0.7	1.9	0.40	0.20	0	0	4
99-M-152	576.7	556.0	4.6	16.1	12.6	0.6	2.2	0.50	0.20	0	0	0
99-M-154	598.3	578.3	4.0	16.0	12.2	0.8	2.4	0.50	0.10	0	1	2
99-M-155	726.7	691.9	6.5	28.3	23.2	0.8	3.0	0.90	0.40	0	0	2
99-M-156	991.0	969.3	4.7	17.0	12.9	0.6	2.5	0.70	0.30	0	0	2
99-M-157	510.2	481.6	6.4	22.2	16.8	0.7	3.2	1.00	0.50	0	0	0
99-M-201	495.0	419.9	30.7	44.4	32.2	2.3	6.6	1.80	1.50	0	0	1
99-M-202	626.9	600.5	5.7	20.7	12.8	1.1	4.3	1.40	1.10	0	0	0
99-M-203	454.4	417.2	8.3	28.9	24.0	0.5	3.1	0.90	0.40	0	0	0
99-M-204	347.9	313.7	5.6	28.6	26.3	0.6	1.2	0.30	0.20	0	0	0
99-M-205	435.7	408.8	7.5	19.4	15.0	1.0	2.7	0.50	0.20	0	0	0

Sample Site	Table Concentrate <2.0 mm (grams)									Selected PseudoKIMs		
	Total	M.I. Separation SG = 3.20 M.I. Lights	Total Mag	Nonmag Total	-0.25 mm	<0.25 mm (wash)	0.25 to 0.5 mm	0.5 to 1.0 mm	1.0 to 2.0 mm	1.0-2.0 mm Low-Cr diopside	0.5-1.0 mm Low-Cr diopside	0.25-0.5 mm Low-Cr diopside
99-M-206	391.5	372.6	4.5	14.4	12.1	0.6	1.4	0.20	0.10	0	0	1
99-M-207	368.7	353.6	3.6	11.5	8.7	0.7	1.6	0.40	0.10	0	0	0
99-M-208	448.7	428.6	4.2	15.9	12.9	0.5	1.7	0.50	0.30	0	0	2
99-M-209	399.2	372.3	6.3	20.6	16.7	1.1	2.3	0.40	0.10	0	0	0
99-M-210	377.2	359.2	4.5	13.5	10.0	0.8	1.8	0.50	0.40	0	0	0
99-M-211	530.3	508.5	5.1	16.7	12.8	0.6	2.5	0.50	0.30	0	0	1
99-M-212	427.3	416.9	2.4	8.0	6.1	0.4	1.1	0.30	0.06	0	0	2
99-M-213	470.9	454.7	1.8	14.4	11.2	0.4	2.2	0.50	0.10	0	0	1
99-M-214	456.6	427.3	5.8	23.5	13.6	2.7	3.9	2.20	1.10	0	0	2
99-M-215	548.8	528.6	4.6	15.6	12.4	0.5	2.0	0.50	0.20	0	0	0
99-M-217	794.1	787.5	1.4	5.2	1.0	0.4	1.9	1.40	0.50	0	0	1
99-M-218	510.0	499.3	2.5	8.2	6.5	0.5	0.9	0.20	0.10	0	0	1
99-M-219	528.5	509.4	4.1	15.0	13.2	0.3	1.2	0.30	0.04	0	0	0
99-M-220	640.2	624.0	3.8	12.4	10.3	0.4	1.3	0.30	0.10	0	0	0
99-M-221	601.0	577.5	3.7	19.8	15.6	0.4	2.8	0.70	0.30	0	0	1
99-M-223	893.2	875.5	4.3	13.4	7.2	0.6	3.5	1.40	0.70	0	0	2
99-M-224	463.2	451.5	3.3	8.4	6.3	0.5	1.2	0.30	0.10	0	0	1
99-M-225	653.0	636.0	3.2	13.8	9.6	0.7	2.5	0.70	0.30	0	0	2
99-M-226	520.4	500.9	4.5	15.0	11.7	0.4	2.1	0.60	0.20	0	0	2
99-M-227	430.6	415.7	3.4	11.5	8.8	0.5	1.7	0.40	0.10	0	0	0
99-M-228	461.7	452.8	2.1	6.8	5.0	0.3	1.1	0.30	0.10	0	0	1
99-M-229	441.7	429.1	3.2	9.4	7.1	0.4	1.2	0.40	0.30	0	0	0
99-M-230	554.9	541.1	3.1	10.7	8.0	0.3	1.8	0.50	0.10	0	0	0
99-M-233	456.8	445.2	2.8	8.8	6.2	0.6	1.4	0.40	0.20	0	0	1
99-M-234	419.2	411.5	2.1	5.6	4.0	0.2	1.0	0.30	0.10	0	0	0
99-M-235	698.7	659.9	8.0	30.8	24.8	0.9	3.3	1.00	0.80	0	0	1
99-M-236	545.0	534.6	2.3	8.1	6.3	0.5	1.0	0.20	0.10	0	0	1
99-M-237	461.3	448.5	3.1	9.7	7.2	0.6	1.5	0.30	0.10	0	0	0
99-M-238	452.0	430.0	5.0	17.0	14.3	0.4	1.8	0.40	0.10	0	0	2
99-M-239	465.7	447.3	4.0	14.4	11.7	0.4	1.6	0.50	0.20	0	0	0
99-M-240	459.5	444.7	2.8	12.0	9.3	0.6	1.3	0.50	0.30	0	0	0
99-M-241	505.7	496.4	2.5	6.8	5.3	0.1	0.9	0.30	0.20	0	0	0
99-M-242	449.2	438.2	2.7	8.3	6.5	0.2	1.0	0.30	0.30	0	0	0
99-M-243	609.7	596.2	4.1	9.4	6.7	0.3	1.6	0.50	0.30	0	0	0
99-M-245	518.1	494.7	6.8	16.6	12.4	0.3	2.6	0.80	0.50	0	0	1
99-M-246	559.5	535.7	5.4	18.4	15.1	0.6	2.0	0.50	0.20	0	0	0
99-M-248	725.3	707.5	3.9	13.9	10.3	0.6	2.1	0.60	0.30	0	1	0
99-M-249	458.2	445.9	3.5	8.8	6.4	0.5	1.4	0.40	0.10	0	0	0
99-M-250	863.3	835.8	7.1	20.4	17.6	0.2	2.0	0.50	0.10	0	0	1
99-M-251	396.9	373.6	5.0	18.3	16.9	0.2	1.0	0.20	0.04	0	0	0
99-M-252	604.5	584.4	4.5	15.6	11.8	0.4	2.5	0.60	0.30	0	0	0
99-M-253	409.8	382.2	7.3	20.3	16.0	0.3	2.8	0.80	0.40	0	0	0
99-M-257	468.5	417.2	14.1	37.2	28.6	1.1	5.4	0.90	1.20	0	0	3
99-M-259	611.8	596.4	2.8	12.6	9.3	0.4	2.3	0.50	0.10	0	0	0
99-M-260	477.8	467.6	2.6	7.6	5.7	0.4	1.1	0.30	0.10	0	0	0

Sample Site	Table Concentrate <2.0 mm (grams) Total	M.I. Separation SG = 3.20 M.I. Lights	Total Mag	Nonmag Total	-0.25 mm	<0.25 mm (wash)	0.25 to 0.5 mm	0.5 to 1.0 mm	1.0 to 2.0 mm	Selected PseudoKIMs 1.0-2.0 mm Low-Cr diopside	0.5-1.0 mm Low-Cr diopside	0.25-0.5 mm Low-Cr diopside
99-M-261	621.9	595.0	1.0	25.9	20.5	0.9	3.3	0.80	0.40	0	0	1
99-M-262	472.7	449.2	6.2	17.3	13.9	0.5	2.2	0.50	0.20	0	0	1
99-M-263	485.6	461.1	8.0	16.5	15.1	0.1	1.0	0.20	0.10	0	0	0
99-M-264	705.7	678.8	5.5	21.4	15.6	0.7	3.7	0.90	0.50	0	0	0
99-M-265	376.7	362.5	3.3	10.9	9.3	0.3	1.0	0.20	0.10	0	0	2
99-M-266	514.6	494.9	5.1	14.6	11.2	0.4	2.2	0.60	0.20	0	0	1
99-M-267	527.2	517.7	2.8	6.7	5.3	0.1	1.0	0.20	0.10	0	0	0
99-M-268	520.8	489.9	8.1	22.8	21.4	0.1	1.0	0.20	0.10	0	0	0
99-M-269	398.9	386.2	3.5	9.2	7.4	0.0	1.1	0.50	0.20	0	0	0
99-M-271	439.9	426.5	3.5	9.9	8.5	0.2	0.9	0.20	0.10	0	0	0
99-M-272	501.3	485.0	4.9	11.4	9.2	0.2	1.5	0.40	0.10	0	0	0
99-M-273	487.2	472.6	4.3	10.3	8.3	0.3	1.3	0.30	0.10	0	1	1
99-M-274	540.8	523.4	2.2	15.2	14.3	0.2	0.5	0.10	0.10	0	0	0
99-M-275	529.9	505.7	6.4	17.8	15.1	0.4	1.8	0.40	0.10	0	0	0
99-M-276	406.2	387.0	5.1	14.1	12.1	0.3	1.3	0.30	0.10	0	0	1
99-M-277	515.0	486.4	6.8	21.8	19.2	0.4	1.8	0.30	0.10	0	0	1
99-M-278	557.3	537.0	5.7	14.6	12.0	0.4	1.6	0.50	0.10	0	0	1
99-M-279	382.2	347.6	8.4	26.2	25.4	0.3	0.4	0.10	0.01	0	0	1
99-M-280	713.1	637.1	13.0	63.0	60.5	0.2	1.6	0.50	0.20	0	0	0
99-M-281	801.2	776.4	6.9	17.9	13.5	0.6	2.1	1.00	0.70	0	0	0
99-M-282	493.0	478.3	4.0	10.7	8.3	0.2	1.4	0.50	0.30	0	0	0
99-M-284	897.7	880.3	3.7	13.7	10.4	0.3	2.1	0.60	0.30	0	0	2
99-M-286	810.8	783.9	9.3	17.6	13.6	0.3	2.4	0.90	0.40	0	0	1
99-M-287	577.3	561.3	4.1	11.9	9.7	0.3	1.5	0.30	0.10	0	0	1
99-M-288	479.7	463.6	4.3	11.8	9.7	0.1	1.7	0.20	0.10	0	0	1
99-M-289	569.0	544.5	6.3	18.2	15.5	0.2	2.0	0.40	0.10	0	0	0
99-M-290	371.3	358.0	3.3	10.0	8.0	0.3	1.3	0.30	0.10	0	0	1
99-M-291	531.3	515.2	4.0	12.1	10.1	0.2	1.3	0.30	0.20	0	0	0
99-M-292	670.4	632.0	10.4	28.0	22.1	1.0	3.9	0.80	0.20	0	0	1
99-M-293	570.3	539.1	8.2	23.0	19.1	0.7	2.5	0.50	0.20	0	0	1
99-M-294	588.0	566.9	6.7	14.4	9.3	0.7	3.3	0.80	0.30	0	0	1
99-M-295	1272.9	1240.8	9.6	22.5	13.3	1.3	6.9	0.70	0.30	0	0	4
99-M-296	567.3	542.5	6.8	18.0	14.6	0.7	2.2	0.40	0.10	0	0	0
99-M-297	517.2	499.5	4.6	13.1	10.9	0.6	1.3	0.20	0.10	0	0	0
99-M-298	704.4	675.4	7.7	21.3	17.5	0.8	2.4	0.50	0.10	0	0	2
99-M-300	518.2	498.0	5.3	14.9	13.2	0.4	1.1	0.20	0.04	0	0	0
99-M-301	423.3	385.0	9.2	29.1	26.8	0.9	1.3	0.10	0.05	0	0	0
99-M-302	536.9	511.0	4.9	21.0	17.9	0.6	2.0	0.40	0.10	0	0	0
99-M-303	553.4	540.3	3.9	9.2	7.2	0.2	1.3	0.30	0.20	0	0	0
99-M-304	636.7	617.7	5.1	13.9	11.1	0.4	1.8	0.40	0.20	0	0	2
99-M-305	623.8	579.2	13.0	31.6	28.0	0.5	2.6	0.40	0.06	0	0	0
99-M-306	508.3	475.3	8.8	24.2	20.5	0.7	2.6	0.30	0.10	0	0	2
99-M-307	1094.2	1086.3	1.2	6.7	3.1	0.5	2.0	0.90	0.20	0	0	0
99-M-308	681.0	647.2	11.2	22.6	18.9	0.5	2.5	0.50	0.20	0	0	0
99-M-309	178.5	162.3	4.7	11.5	10.7	0.2	0.5	0.10	0.05	0	0	0
99-M-310	999.8	981.2	5.4	13.2	11.2	0.3	1.3	0.30	0.10	0	0	0
99-M-311	447.7	430.7	4.5	12.5	9.6	0.4	1.8	0.50	0.20	0	0	0

Sample Site	Table Concentrate <2.0 mm (grams)									Selected PseudoKIMs		
	Total	M.I. Separation SG = 3.20 M.I. Lights	Total Mag	Nonmag Total	-0.25 mm	<0.25 mm (wash)	0.25 to 0.5 mm	0.5 to 1.0 mm	1.0 to 2.0 mm	1.0-2.0 mm Low-Cr diopside	0.5-1.0 mm Low-Cr diopside	0.25-0.5 mm Low-Cr diopside
99-M-312	475.0	463.3	3.5	8.2	4.8	0.4	1.9	0.70	0.40	0	0	0
99-M-313	1013.3	1008.1	0.8	4.4	1.2	0.2	1.9	0.70	0.40	0	0	0
99-M-314	461.8	449.5	3.2	9.1	6.7	0.4	1.4	0.40	0.20	0	0	1
99-M-315	412.2	407.5	1.6	3.1	1.7	0.1	0.8	0.30	0.20	0	0	0
99-M-316	522.2	513.1	2.8	6.3	4.2	0.4	1.2	0.30	0.20	0	0	0
99-M-317	532.3	524.1	0.6	7.6	5.2	0.2	1.5	0.50	0.20	0	0	0
99-M-319	459.2	447.9	3.1	8.2	6.1	0.2	1.3	0.40	0.20	0	0	1
99-M-320	475.9	461.9	3.6	10.4	7.7	0.5	1.4	0.50	0.30	0	0	0
99-M-324	382.1	372.3	2.5	7.3	5.3	0.3	1.3	0.30	0.10	0	0	0
99-M-326	416.8	401.8	3.6	11.4	8.5	0.2	1.8	0.60	0.30	0	0	1
99-M-327	517.7	501.2	3.8	12.7	9.2	0.3	2.2	0.70	0.30	0	0	1
99-M-329	498.6	478.1	5.3	15.2	11.9	0.4	1.9	0.70	0.30	0	0	2
99-M-330	446.0	433.1	2.8	10.1	7.1	0.4	1.6	0.60	0.40	0	0	0
99-M-331	494.4	479.6	3.3	11.5	8.4	0.6	1.7	0.50	0.30	0	0	0
99-M-332	414.6	398.2	3.4	13.0	10.0	0.5	1.6	0.60	0.30	0	0	1
99-M-334	544.4	525.6	4.8	14.0	9.6	0.5	2.3	0.90	0.70	0	0	0
99-M-335	784.9	745.0	11.4	28.5	21.8	1.1	4.0	1.00	0.60	0	0	1
99-M-338	411.9	395.2	3.7	13.0	7.6	0.3	2.5	1.80	0.80	0	0	1
99-M-339	518.1	507.4	2.9	7.8	4.6	0.2	1.5	0.70	0.80	0	0	0
99-M-341	719.9	705.7	3.4	10.8	7.1	0.4	2.0	0.80	0.50	0	0	0
99-M-342	496.0	443.9	32.1	20.0	11.4	1.0	2.9	2.00	2.70	0	0	0
99-M-343	1053.1	1024.8	8.7	19.6	13.2	0.7	3.5	1.30	0.90	0	0	0
99-M-344	459.7	447.5	3.9	8.3	6.0	0.1	1.2	0.50	0.50	0	0	0
99-M-345	432.5	420.0	3.5	9.0	6.8	0.3	1.3	0.40	0.20	0	0	0
99-M-346	420.5	404.8	2.7	13.0	7.9	1.2	2.4	1.10	0.40	0	0	0
99-M-347	636.6	622.3	4.5	9.8	6.6	0.5	1.9	0.50	0.30	0	0	0
99-M-349	646.6	627.8	6.0	12.8	8.8	0.8	2.3	0.60	0.30	0	0	1
99-M-350	683.1	661.4	5.4	16.3	11.9	0.6	2.6	0.80	0.40	0	0	0
99-M-351	394.3	388.9	2.0	3.4	2.5	0.1	0.6	0.20	0.04	0	0	0

KIM COUNT (* species not rigorously picked; excluded from total)

Sample Site	1.0 to 2.0 mm						0.5 to 1.0 mm						0.25 to 0.5 mm						Total KIMs
	GP	GO	DC	IM	CR	FO*	GP	GO	DC	IM	CR	FO*	GP	GO*	DC	IM*	CR	FO*	
99-M-02	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1
99-M-03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
99-M-04	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
99-M-05	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
99-M-07	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
99-M-08	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
99-M-09	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
99-M-10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
99-M-11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	1	2	0	4
99-M-12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1
99-M-13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
99-M-14	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1
99-M-15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
99-M-16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1
99-M-17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0
99-M-18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
99-M-19	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1
99-M-21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
99-M-25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
99-M-26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
99-M-27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
99-M-28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1
99-M-29	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1
99-M-30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
99-M-31	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
99-M-32	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
99-M-33	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
99-M-34	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0
99-M-35	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	0	1
99-M-36	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	2
99-M-39	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1
99-M-40	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	2	0	0	0
99-M-41	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
99-M-42	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
99-M-43	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	2	0
99-M-44	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
99-M-45	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1
99-M-46	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1
99-M-47	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	2

KIM COUNT (* species not rigorously picked; excluded from total)

Sample Site	1.0 to 2.0 mm						0.5 to 1.0 mm						0.25 to 0.5 mm						Total KIMs
	GP	GO	DC	IM	CR	FO*	GP	GO	DC	IM	CR	FO*	GP	GO*	DC	IM*	CR	FO*	
99-M-48	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
99-M-49	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
99-M-50	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0
99-M-51	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	2
99-M-52	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1
99-M-53	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
99-M-54	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1	0	2
99-M-55	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1	0	2
99-M-56	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
99-M-57	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1
99-M-59	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1
99-M-63	0	0	0	0	0	0	0	0	0	0	2	1	1	0	1	0	4	0	8
99-M-64	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1
99-M-65	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	2
99-M-66	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	1
99-M-67	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
99-M-68	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
99-M-69	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
99-M-70	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	2
99-M-71	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1	0	2
99-M-73	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1
99-M-74	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	0
99-M-75	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1
99-M-76	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
99-M-77	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
99-M-78	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
99-M-79	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
99-M-80	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1
99-M-81	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1
99-M-82	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
99-M-83	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	2
99-M-84	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1
99-M-85	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
99-M-86	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
99-M-87	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1
99-M-89	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	0	1
99-M-90	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
99-M-91	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
99-M-93	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1
99-M-94	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
99-M-95	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
99-M-97	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
99-M-98	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	0	1
99-M-100	0	0	0	0	0	0	0	0	0	0	0	2	1	0	0	1	0	1	1
99-M-101	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	2

KIM COUNT (* species not rigorously picked; excluded from total)

Sample Site	1.0 to 2.0 mm						0.5 to 1.0 mm						0.25 to 0.5 mm						Total KIMs
	GP	GO	DC	IM	CR	FO*	GP	GO	DC	IM	CR	FO*	GP	GO*	DC	IM*	CR	FO*	
99-M-102	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1
99-M-104	0	0	0	0	0	0	0	0	0	0	4	0	0	0	1	0	20(75)	0	80
99-M-105	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	2
99-M-106	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	2
99-M-107	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	2
99-M-108	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	2
99-M-109	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	2
99-M-111	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
99-M-112	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	3	0	4
99-M-113	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1
99-M-114	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
99-M-115	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
99-M-116	0	0	0	0	0	0	0	0	0	0	0	0	2	0	1	0	0	0	3
99-M-118	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
99-M-121	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
99-M-123	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
99-M-124	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
99-M-125	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	1	0
99-M-126	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	2
99-M-127	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
99-M-129	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	2
99-M-131	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
99-M-134	0	0	0	0	0	0	0	0	0	0	1	0	2	0	0	0	3	1	6
99-M-135	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
99-M-136	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	4	0
99-M-139	0	0	0	0	0	0	0	0	0	0	0	0	4	0	0	0	5	0	9
99-M-140	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1	0	2
99-M-142	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	2
99-M-145	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
99-M-146	0	0	0	0	0	1	0	0	0	0	0	1	1	0	0	0	0	0	1
99-M-147	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
99-M-148	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
99-M-149	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	2	1
99-M-150	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
99-M-151	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
99-M-152	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	2
99-M-154	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0
99-M-155	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
99-M-156	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
99-M-157	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
99-M-201	0	0	0	0	0	0	0	0	0	0	1	0	1	0	1	0	0	0	3
99-M-202	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1
99-M-203	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1
99-M-204	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1
99-M-205	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

KIM COUNT (* species not rigorously picked; excluded from total)

Sample Site	1.0 to 2.0 mm						0.5 to 1.0 mm						0.25 to 0.5 mm						Total KIMs
	GP	GO	DC	IM	CR	FO*	GP	GO	DC	IM	CR	FO*	GP	GO*	DC	IM*	CR	FO*	
99-M-206	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
99-M-207	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
99-M-208	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1
99-M-209	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
99-M-210	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1
99-M-211	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
99-M-212	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1
99-M-213	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
99-M-214	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1
99-M-215	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
99-M-217	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	1
99-M-218	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
99-M-219	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
99-M-220	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
99-M-221	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1
99-M-223	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1
99-M-224	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0
99-M-225	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
99-M-226	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
99-M-227	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
99-M-228	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
99-M-229	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
99-M-230	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
99-M-233	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
99-M-234	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
99-M-235	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	2
99-M-236	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1
99-M-237	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
99-M-238	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
99-M-239	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
99-M-240	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
99-M-241	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
99-M-242	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
99-M-243	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
99-M-245	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1
99-M-246	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
99-M-248	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	1
99-M-249	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
99-M-250	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1
99-M-251	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
99-M-252	0	0	0	0	0	0	0	0	0	1	0	0	2	0	0	0	1	1	4
99-M-253	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	3	0	5
99-M-257	0	0	0	0	0	0	0	0	0	3	1	0	1	0	0	0	0	0	5
99-M-259	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
99-M-260	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1

KIM COUNT (* species not rigorously picked; excluded from total)

Sample Site	1.0 to 2.0 mm						0.5 to 1.0 mm						0.25 to 0.5 mm						Total KIMs
	GP	GO	DC	IM	CR	FO*	GP	GO	DC	IM	CR	FO*	GP	GO*	DC	IM*	CR	FO*	
99-M-261	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	2	0	4
99-M-262	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
99-M-263	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
99-M-264	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1
99-M-265	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
99-M-266	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
99-M-267	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
99-M-268	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
99-M-269	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1
99-M-271	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	2
99-M-272	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	2
99-M-273	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
99-M-274	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
99-M-275	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
99-M-276	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
99-M-277	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
99-M-278	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1
99-M-279	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
99-M-280	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
99-M-281	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
99-M-282	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
99-M-284	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
99-M-286	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
99-M-287	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
99-M-288	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	1
99-M-289	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
99-M-290	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
99-M-291	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
99-M-292	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0
99-M-293	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1
99-M-294	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	0	2
99-M-295	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
99-M-296	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
99-M-297	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
99-M-298	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
99-M-300	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
99-M-301	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
99-M-302	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1
99-M-303	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
99-M-304	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	1	0	2
99-M-305	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
99-M-306	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	1
99-M-307	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
99-M-308	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	3
99-M-309	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	0	2
99-M-310	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
99-M-311	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Sample Site	KIM COUNT (* species not rigorously picked; excluded from total)																		
	1.0 to 2.0 mm						0.5 to 1.0 mm						0.25 to 0.5 mm						
	GP	GO	DC	IM	CR	FO*	GP	GO	DC	IM	CR	FO*	GP	GO*	DC	IM*	CR	FO*	Total KIMs
99-M-312	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	3
99-M-313	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
99-M-314	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
99-M-315	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
99-M-316	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
99-M-317	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1
99-M-319	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	0	0	0
99-M-320	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0
99-M-324	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
99-M-326	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
99-M-327	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	2
99-M-329	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1
99-M-330	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1
99-M-331	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
99-M-332	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1
99-M-334	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1
99-M-335	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	2
99-M-338	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0
99-M-339	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
99-M-341	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
99-M-342	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
99-M-343	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
99-M-344	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
99-M-345	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
99-M-346	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
99-M-347	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
99-M-349	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1
99-M-350	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
99-M-351	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

	Number of Visible Gold Grains					Calculated PPB Visible Gold			
Sample Site	Total	Reshaped	Modified	Pristine	Non-Mag Weight	Total (ppb)	Reshaped (ppb)	Modified (ppb)	Pristine (ppb)
99-M-02	2	2	0	0	16.2	3	3	0	0
99-M-03	0	0	0	0	17.4	0	0	0	0
99-M-04	0	0	0	0	6.9	0	0	0	0
99-M-05	0	0	0	0	10.4	0	0	0	0
99-M-07	2	2	0	0	27.6	20	20	0	0
99-M-08	3	2	1	0	14.7	11	6	6	0
99-M-09	1	1	0	0	12.7	6	6	0	0
99-M-10	4	4	0	0	7.7	98	98	0	0
99-M-11	0	0	0	0	15.3	0	0	0	0
99-M-12	2	2	0	0	9.7	21	21	0	0
99-M-13	0	0	0	0	16.5	0	0	0	0
99-M-14	0	0	0	0	13.5	0	0	0	0
99-M-15	2	1	1	0	21.1	10	9	1	0
99-M-16	0	0	0	0	11.4	0	0	0	0
99-M-17	1	1	0	0	16.0	40	40	0	0
99-M-18	3	3	0	0	22.8	169	169	0	0
99-M-19	0	0	0	0	15.5	0	0	0	0
99-M-21	0	0	0	0	17.4	0	0	0	0
99-M-25	1	1	0	0	13.7	2	2	0	0
99-M-26	4	4	0	0	14.6	83	83	0	0
99-M-27	0	0	0	0	14.3	0	0	0	0
99-M-28	2	2	0	0	9.5	5	5	0	0
99-M-29	0	0	0	0	9.1	0	0	0	0
99-M-30	3	3	0	0	16.7	91	91	0	0
99-M-31	0	0	0	0	5.8	0	0	0	0
99-M-32	0	0	0	0	10.3	0	0	0	0
99-M-33	0	0	0	0	8.7	0	0	0	0
99-M-34	0	0	0	0	7.5	0	0	0	0
99-M-35	0	0	0	0	13.0	0	0	0	0
99-M-36	0	0	0	0	13.3	0	0	0	0
99-M-39	2	2	0	0	17.1	13	13	0	0
99-M-40	2	2	0	0	23.0	17	17	0	0
99-M-41	3	3	0	0	15.4	42	42	0	0
99-M-42	0	0	0	0	10.7	0	0	0	0
99-M-43	3	3	0	0	13.3	31	31	0	0
99-M-44	3	2	1	0	17.1	40	38	1	0
99-M-45	0	0	0	0	6.1	0	0	0	0
99-M-46	1	1	0	0	12.7	226	226	0	0
99-M-47	0	0	0	0	22.0	0	0	0	0

	Number of Visible Gold Grains					Calculated PPB Visible Gold			
Sample Site	Total	Reshaped	Modified	Pristine	Non-Mag Weight	Total (ppb)	Reshaped (ppb)	Modified (ppb)	Pristine (ppb)
99-M-48	0	0	0	0	12.6	0	0	0	0
99-M-49	0	0	0	0	36.8	0	0	0	0
99-M-50	3	2	1	0	41.2	76	52	25	0
99-M-51	0	0	0	0	25.2	0	0	0	0
99-M-52	0	0	0	0	29.6	0	0	0	0
99-M-53	4	4	0	0	34.8	8	8	0	0
99-M-54	0	0	0	0	30.8	0	0	0	0
99-M-55	2	1	1	0	29.6	9	6	3	0
99-M-56	1	1	0	0	40.8	9	9	0	0
99-M-57	1	1	0	0	38.4	10	10	0	0
99-M-59	2	2	0	0	34.0	3	3	0	0
99-M-63	3	3	0	0	36.4	5	5	0	0
99-M-64	3	3	0	0	34.8	3	3	0	0
99-M-65	1	1	0	0	30.8	21	21	0	0
99-M-66	2	2	0	0	42.8	26	26	0	0
99-M-67	1	1	0	0	39.2	2	2	0	0
99-M-68	0	0	0	0	31.2	0	0	0	0
99-M-69	0	0	0	0	29.2	0	0	0	0
99-M-70	0	0	0	0	32.0	0	0	0	0
99-M-71	3	2	1	0	39.6	22	5	16	0
99-M-73	0	0	0	0	38.8	0	0	0	0
99-M-74	2	2	0	0	36.0	2	2	0	0
99-M-75	0	0	0	0	35.2	0	0	0	0
99-M-76	1	1	0	0	34.0	2	2	0	0
99-M-77	0	0	0	0	30.0	0	0	0	0
99-M-78	0	0	0	0	30.8	0	0	0	0
99-M-79	3	2	1	0	36.4	16	6	10	0
99-M-80	4	4	0	0	42.8	106	106	0	0
99-M-81	2	2	0	0	40.4	14	14	0	0
99-M-82	3	3	0	0	41.6	14	14	0	0
99-M-83	3	3	0	0	45.2	139	139	0	0
99-M-84	2	2	0	0	35.2	202	202	0	0
99-M-85	2	2	0	0	41.2	10	10	0	0
99-M-86	4	3	1	0	44.4	18	14	4	0
99-M-87	3	3	0	0	35.6	47	47	0	0
99-M-89	0	0	0	0	30.4	0	0	0	0
99-M-90	1	1	0	0	30.4	49	49	0	0
99-M-91	1	1	0	0	31.6	6	6	0	0
99-M-93	2	2	0	0	44.0	10	10	0	0
99-M-94	1	1	0	0	35.6	5	5	0	0
99-M-95	2	1	1	0	44.0	2	2	0	0
99-M-97	0	0	0	0	40.4	0	0	0	0
99-M-98	1	1	0	0	38.0	39	39	0	0
99-M-100	0	0	0	0	37.6	0	0	0	0
99-M-101	1	1	0	0	35.2	82	82	0	0

	Number of Visible Gold Grains					Calculated PPB Visible Gold			
Sample Site	Total	Reshaped	Modified	Pristine	Non-Mag Weight	Total (ppb)	Reshaped (ppb)	Modified (ppb)	Pristine (ppb)
99-M-102	0	0	0	0	35.6	0	0	0	0
99-M-104	2	2	0	0	39.2	10	10	0	0
99-M-105	0	0	0	0	46.0	0	0	0	0
99-M-106	0	0	0	0	39.2	0	0	0	0
99-M-107	3	3	0	0	42.4	20	20	0	0
99-M-108	0	0	0	0	38.4	0	0	0	0
99-M-109	3	3	0	0	41.2	126	126	0	0
99-M-111	1	1	0	0	40.4	1	1	0	0
99-M-112	0	0	0	0	38.0	0	0	0	0
99-M-113	0	0	0	0	32.0	0	0	0	0
99-M-114	2	2	0	0	38.4	4	4	0	0
99-M-115	1	1	0	0	38.8	2	2	0	0
99-M-116	0	0	0	0	35.6	0	0	0	0
99-M-118	0	0	0	0	31.2	0	0	0	0
99-M-121	0	0	0	0	42.8	0	0	0	0
99-M-123	0	0	0	0	43.2	0	0	0	0
99-M-124	1	1	0	0	40.4	5	5	0	0
99-M-125	0	0	0	0	35.2	0	0	0	0
99-M-126	2	2	0	0	34.0	85	85	0	0
99-M-127	1	1	0	0	35.2	1	1	0	0
99-M-129	0	0	0	0	30.0	0	0	0	0
99-M-131	0	0	0	0	33.6	0	0	0	0
99-M-134	3	3	0	0	38.4	33	33	0	0
99-M-135	0	0	0	0	42.4	0	0	0	0
99-M-136	2	2	0	0	31.6	3	3	0	0
99-M-139	2	2	0	0	27.2	10	10	0	0
99-M-140	0	0	0	0	38.4	0	0	0	0
99-M-142	2	2	0	0	29.6	41	41	0	0
99-M-145	0	0	0	0	40.0	0	0	0	0
99-M-146	1	1	0	0	39.2	10	10	0	0
99-M-147	3	3	0	0	40.0	2	2	0	0
99-M-148	0	0	0	0	40.0	0	0	0	0
99-M-149	1	1	0	0	38.0	2	2	0	0
99-M-150	3	3	0	0	41.6	10	10	0	0
99-M-151	2	2	0	0	34.8	2	2	0	0
99-M-152	3	3	0	0	40.4	5	5	0	0
99-M-154	0	0	0	0	38.4	0	0	0	0
99-M-155	1	1	0	0	42.0	2	2	0	0
99-M-156	1	1	0	0	42.8	9	9	0	0
99-M-157	2	2	0	0	40.8	18	18	0	0
99-M-201	2	2	0	0	33.2	17	17	0	0
99-M-202	0	0	0	0	34.8	0	0	0	0
99-M-203	4	4	0	0	42.0	11	11	0	0
99-M-204	1	1	0	0	33.2	6	6	0	0
99-M-205	3	3	0	0	33.2	13	13	0	0

	Number of Visible Gold Grains					Calculated PPB Visible Gold			
Sample Site	Total	Reshaped	Modified	Pristine	Non-Mag Weight	Total (ppb)	Reshaped (ppb)	Modified (ppb)	Pristine (ppb)
99-M-206	0	0	0	0	26.4	0	0	0	0
99-M-207	0	0	0	0	28.0	0	0	0	0
99-M-208	2	2	0	0	38.4	19	19	0	0
99-M-209	2	2	0	0	33.2	22	22	0	0
99-M-210	0	0	0	0	29.2	0	0	0	0
99-M-211	2	2	0	0	37.6	6	6	0	0
99-M-212	0	0	0	0	27.2	0	0	0	0
99-M-213	5	2	2	1	32.0	5	3	1	1
99-M-214	4	4	0	0	34.0	6	6	0	0
99-M-215	2	2	0	0	38.4	10	10	0	0
99-M-217	0	0	0	0	33.6	0	0	0	0
99-M-218	0	0	0	0	27.2	0	0	0	0
99-M-219	0	0	0	0	29.6	0	0	0	0
99-M-220	2	2	0	0	38.0	1	1	0	0
99-M-221	1	1	0	0	37.6	10	10	0	0
99-M-223	0	0	0	0	32.4	0	0	0	0
99-M-224	2	2	0	0	36.0	11	11	0	0
99-M-225	0	0	0	0	30.4	0	0	0	0
99-M-226	0	0	0	0	28.0	0	0	0	0
99-M-227	3	1	2	0	30.0	22	3	19	0
99-M-228	2	1	0	1	28.0	6	3	0	3
99-M-229	2	2	0	0	26.8	1	1	0	0
99-M-230	0	0	0	0	30.0	0	0	0	0
99-M-233	0	0	0	0	27.2	0	0	0	0
99-M-234	0	0	0	0	28.4	0	0	0	0
99-M-235	2	1	1	0	33.6	3	2	1	0
99-M-236	3	2	1	0	30.0	23	22	0	0
99-M-237	0	0	0	0	28.4	0	0	0	0
99-M-238	0	0	0	0	31.2	0	0	0	0
99-M-239	2	2	0	0	32.0	3	3	0	0
99-M-240	0	0	0	0	35.2	0	0	0	0
99-M-241	0	0	0	0	28.4	0	0	0	0
99-M-242	1	1	0	0	28.4	13	13	0	0
99-M-243	0	0	0	0	28.8	0	0	0	0
99-M-245	2	2	0	0	27.2	1	1	0	0
99-M-246	0	0	0	0	30.8	0	0	0	0
99-M-248	0	0	0	0	37.2	0	0	0	0
99-M-249	2	2	0	0	31.2	1	1	0	0
99-M-250	2	2	0	0	36.0	3	3	0	0
99-M-251	0	0	0	0	35.2	0	0	0	0
99-M-252	0	0	0	0	29.6	0	0	0	0
99-M-253	0	0	0	0	25.2	0	0	0	0
99-M-257	3	3	0	0	12.8	54	54	0	0
99-M-259	2	2	0	0	22.0	10	10	0	0
99-M-260	1	1	0	0	24.4	3	3	0	0

	Number of Visible Gold Grains					Calculated PPB Visible Gold			
Sample Site	Total	Reshaped	Modified	Pristine	Non-Mag Weight	Total (ppb)	Reshaped (ppb)	Modified (ppb)	Pristine (ppb)
99-M-261	3	3	0	0	36.0	13	13	0	0
99-M-262	3	3	0	0	34.4	7	7	0	0
99-M-263	5	5	0	0	32.0	28	28	0	0
99-M-264	3	3	0	0	27.2	136	136	0	0
99-M-265	0	0	0	0	30.4	0	0	0	0
99-M-266	0	0	0	0	26.8	0	0	0	0
99-M-267	1	1	0	0	23.2	8	8	0	0
99-M-268	3	3	0	0	27.6	6	6	0	0
99-M-269	3	2	1	0	26.4	13	10	3	0
99-M-271	2	1	1	0	28.8	13	7	7	0
99-M-272	0	0	0	0	34.4	0	0	0	0
99-M-273	3	3	0	0	26.8	11	11	0	0
99-M-274	0	0	0	0	34.8	0	0	0	0
99-M-275	2	2	0	0	28.4	14	14	0	0
99-M-276	0	0	0	0	29.2	0	0	0	0
99-M-277	2	2	0	0	38.8	7	7	0	0
99-M-278	2	2	0	0	37.2	5	5	0	0
99-M-279	0	0	0	0	33.2	0	0	0	0
99-M-280	0	0	0	0	37.2	0	0	0	0
99-M-281	0	0	0	0	35.2	0	0	0	0
99-M-282	0	0	0	0	27.6	0	0	0	0
99-M-284	0	0	0	0	38.0	0	0	0	0
99-M-286	0	0	0	0	22.4	0	0	0	0
99-M-287	0	0	0	0	37.2	0	0	0	0
99-M-288	0	0	0	0	39.6	0	0	0	0
99-M-289	0	0	0	0	38.0	0	0	0	0
99-M-290	1	1	0	0	30.4	21	21	0	0
99-M-291	0	0	0	0	27.2	0	0	0	0
99-M-292	1	1	0	0	37.6	5	5	0	0
99-M-293	0	0	0	0	33.2	0	0	0	0
99-M-294	2	2	0	0	32.0	12	12	0	0
99-M-295	0	0	0	0	29.6	0	0	0	0
99-M-296	0	0	0	0	36.8	0	0	0	0
99-M-297	0	0	0	0	36.0	0	0	0	0
99-M-298	2	1	1	0	37.2	10	10	0	0
99-M-300	3	3	0	0	38.4	12	12	0	0
99-M-301	3	3	0	0	32.8	7	7	0	0
99-M-302	1	1	0	0	36.0	5	5	0	0
99-M-303	2	2	0	0	36.4	108	108	0	0
99-M-304	0	0	0	0	36.8	0	0	0	0
99-M-305	0	0	0	0	44.0	0	0	0	0
99-M-306	0	0	0	0	35.6	0	0	0	0
99-M-307	0	0	0	0	30.4	0	0	0	0
99-M-308	0	0	0	0	40.8	0	0	0	0
99-M-309	4	4	0	0	35.2	17	17	0	0
99-M-310	0	0	0	0	27.2	0	0	0	0
99-M-311	0	0	0	0	37.2	0	0	0	0

	Number of Visible Gold Grains					Calculated PPB Visible Gold			
Sample Site	Total	Reshaped	Modified	Pristine	Non-Mag Weight	Total (ppb)	Reshaped (ppb)	Modified (ppb)	Pristine (ppb)
99-M-312	0	0	0	0	22.0	0	0	0	0
99-M-313	0	0	0	0	23.2	0	0	0	0
99-M-314	0	0	0	0	38.8	0	0	0	0
99-M-315	0	0	0	0	39.2	0	0	0	0
99-M-316	2	2	0	0	35.2	8	8	0	0
99-M-317	1	1	0	0	35.2	1	1	0	0
99-M-319	3	3	0	0	26.4	83	83	0	0
99-M-320	1	1	0	0	36.4	2	2	0	0
99-M-324	0	0	0	0	27.6	0	0	0	0
99-M-326	0	0	0	0	34.8	0	0	0	0
99-M-327	2	2	0	0	36.0	8	8	0	0
99-M-329	3	3	0	0	35.6	7	7	0	0
99-M-330	2	2	0	0	35.2	3	3	0	0
99-M-331	2	2	0	0	35.6	3	3	0	0
99-M-332	2	2	0	0	41.2	9	9	0	0
99-M-334	0	0	0	0	27.6	0	0	0	0
99-M-335	0	0	0	0	38.4	0	0	0	0
99-M-338	0	0	0	0	32.8	0	0	0	0
99-M-339	0	0	0	0	17.2	0	0	0	0
99-M-341	1	1	0	0	36.0	10	10	0	0
99-M-342	0	0	0	0	33.6	0	0	0	0
99-M-343	1	1	0	0	26.8	184	184	0	0
99-M-344	4	4	0	0	30.0	42	42	0	0
99-M-345	2	2	0	0	26.8	1	1	0	0
99-M-346	0	0	0	0	30.4	0	0	0	0
99-M-347	1	1	0	0	36.0	5	5	0	0
99-M-349	2	2	0	0	33.2	14	14	0	0
99-M-350	0	0	0	0	30.0	0	0	0	0
99-M-351	5	5	0	0	27.2	6	6	0	0

Sample Site	KIM Remarks
99-M-02	No KIM remarks.
99-M-03	No KIM remarks.
99-M-04	No KIM remarks.
99-M-05	No KIM remarks.
99-M-07	No KIM remarks.
99-M-08	No KIM remarks.
99-M-09	No KIM remarks.
99-M-10	No KIM remarks.
99-M-11	SEM checks from 0.25-0.5 mm fraction: 3 IM versus crustal ilmenite candidates = 1 IM and 2 crustal ilmenite.
99-M-12	No KIM remarks.
99-M-13	No KIM remarks.
99-M-14	No KIM remarks.
99-M-15	SEM checks from 0.25-0.5 mm fraction: 1 GP versus ruby corundum candidate = 1 ruby corundum (picked as MMSIM).
99-M-16	No KIM remarks.
99-M-17	SEM checks from 0.25-0.5 mm fraction: 2 IM versus crustal ilmenite candidates = 1 IM and 1 crustal ilmenite.
99-M-18	No KIM remarks.
99-M-19	No KIM remarks.
99-M-21	No KIM remarks.
99-M-25	No KIM remarks.
99-M-26	No KIM remarks.
99-M-27	No KIM remarks.
99-M-28	SEM checks from 0.25-0.5 mm fraction: 1 CR versus crustal ilmenite candidate = 1 CR; and I IM versus crustal ilmenite candidate = 1 crustal ilmenite.
99-M-29	SEM check from 0.25-0.5 mm fraction: 1 IM versus crustal ilmenite candidate = 1 crustal ilmenite.
99-M-30	SEM check from 0.25-0.5 mm fraction: 1 IM versus crustal ilmenite candidate = 1 crustal ilmenite.
99-M-31	No KIM remarks.
99-M-32	No KIM remarks.
99-M-33	No KIM remarks.
99-M-34	No KIM remarks.
99-M-35	SEM check from 0.25-0.5 mm fraction: 1 IM versus crustal ilmenite candidate = 1 crustal ilmenite.
99-M-36	SEM check from 0.5-1.0 mm fraction: 1 forsterite versus diopside candidate = 1 corundum (picked as MMSIM).
99-M-39	SEM checks from 0.25-0.5 mm fraction: 2 GO versus almandine candidates = 2 almandine; and 2 IM versus crustal ilmenite candidates = 1 CR and 1 crustal ilmenite.
99-M-40	No KIM remarks.
99-M-41	No KIM remarks.
99-M-42	SEM check from 0.25-0.5 mm fraction: 1 pale purple GP versus ruby corundum candidate = 1 ruby corundum (picked as MMSIM).
99-M-43	No KIM remarks.
99-M-44	No KIM remarks.
99-M-45	SEM check from 0.5-1.0 mm fraction: 1 forsterite versus epidote candidate = 1 Al2Si (possibly topaz).
99-M-46	SEM check from 0.25-0.5 mm fraction: 1 pale yellow forsterite versus diopside candidate = 1 epidote.
99-M-47	SEM checks from 0.25-0.5 mm fraction: 3 CR candidates = 2 CR and 1 crustal ilmenite.

Sample Site	KIM Remarks
99-M-48	SEM check from 0.5-1.0 mm fraction: 1 pale yellow forsterite versus epidote candidate = 1 forsterite. SEM check from 0.25-0.5 mm fraction: 1 pale green forsterite versus diopside candidate = 1 diopside.
99-M-49	No KIM remarks.
99-M-50	No KIM remarks.
99-M-51	SEM checks from 0.5-1.0 mm fraction: 2 IM versus crustal ilmenite candidates = 2 IM.
99-M-52	No KIM remarks.
99-M-53	SEM check from 0.5-1.0 mm fraction: 1 IM versus crustal ilmenite candidate = 1 IM. SEM check from 0.25-0.5 mm fraction: 1 CR versus IM candidate = 1 CR (~5 wt% ZnO).
99-M-54	No KIM remarks.
99-M-55	No KIM remarks.
99-M-56	No KIM remarks.
99-M-57	No KIM remarks.
99-M-59	No KIM remarks.
99-M-63	SEM checks from 0.5-1.0 mm fraction: 1 IM versus crustal ilmenite candidate = 1 crustal ilmenite; and 1 forsterite olivine versus epidote candidate = 1 forsterite olivine.
99-M-64	No KIM remarks.
99-M-65	No KIM remarks.
99-M-66	SEM check from 0.25-0.5 mm fraction: 1 rounded GP versus ruby corundum candidate = 1 almandine.
99-M-67	No KIM remarks.
99-M-68	No KIM remarks.
99-M-69	No KIM remarks.
99-M-70	No KIM remarks.
99-M-71	SEM check from 0.5-1.0 mm fraction: 1 GO versus almandine candidate = 1 GO (Cr-poor megacryst). SEM check from 0.25-0.5 mm fraction: 1 CR versus IM candidate = 1 CR.
99-M-73	No KIM remarks.
99-M-74	No KIM remarks.
99-M-75	No KIM remarks.
99-M-76	No KIM remarks.
99-M-77	No KIM remarks.
99-M-78	No KIM remarks.
99-M-79	No KIM remarks.
99-M-80	SEM check from 0.5-1.0 mm fraction: 1 IM versus crustal ilmenite candidate = 1 IM.
99-M-81	SEM check from 0.5-1.0 mm fraction: 1 IM versus crustal ilmenite candidate = 1 crustal ilmenite.
99-M-82	No KIM remarks.
99-M-83	SEM checks from 0.5-1.0 mm fraction: 1 IM versus crustal ilmenite candidate = 1 IM; and 1 CR versus crustal ilmenite candidate = 1 crustal ilmenite.
99-M-84	No KIM remarks.
99-M-85	No KIM remarks.
99-M-86	No KIM remarks.
99-M-87	SEM check from 0.5-1.0 mm fraction: 1 forsterite olivine versus epidote candidate = 1 epidote.
99-M-89	No KIM remarks.
99-M-90	No KIM remarks.
99-M-91	No KIM remarks.
99-M-93	No KIM remarks.
99-M-94	No KIM remarks.
99-M-95	No KIM remarks.
99-M-97	No KIM remarks.
99-M-98	SEM check from 0.5-1.0 mm fraction: 1 forsterite olivine versus epidote candidate = 1 forsterite olivine. SEM checks from 0.25-0.5 mm fraction: 2 CR versus crustal ilmenite candidates = 1 CR and 1 crustal ilmenite.
99-M-100	SEM check from 0.25-0.5 mm fraction: 1 CR versus crustal ilmenite candidate = 1 crustal ilmenite.
99-M-101	SEM checks from 0.25-0.5 mm fraction: 2 IM versus crustal ilmenite candidates = 1 CR and 1 crustal ilmenite; and 1 forsterite olivine versus epidote candidate = 1 epidote.

Sample Site	KIM Remarks
99-M-102	No KIM remarks.
99-M-104	No KIM remarks.
99-M-105	No KIM remarks.
99-M-106	SEM check from 0.5-1.0 mm fraction: 1 CR versus IM candidate = 1 IM.
99-M-107	No KIM remarks.
99-M-108	SEM check from 0.25-0.5 mm fraction: 1 CR versus crustal ilmenite candidate = 1 crustal ilmenite.
99-M-109	No KIM remarks.
99-M-111	No KIM remarks.
99-M-112	SEM checks from 0.5-1.0 mm fraction: 2 forsterite olivine versus epidote candidates = 1 forsterite olivine and 1 epidote. SEM check from 0.25-0.5 mm fraction: 1 GP versus ruby corundum candidate = 1 GP.
99-M-113	No KIM remarks.
99-M-114	No KIM remarks.
99-M-115	No KIM remarks.
99-M-116	No KIM remarks.
99-M-118	SEM check from 0.5-1.0 mm fraction: 1 CR versus crustal ilmenite candidate = 1 crustal ilmenite.
99-M-121	No KIM remarks.
99-M-123	No KIM remarks.
99-M-124	No KIM remarks.
99-M-125	No KIM remarks.
99-M-126	No KIM remarks.
99-M-127	No KIM remarks.
99-M-129	No KIM remarks.
99-M-131	No KIM remarks.
99-M-134	SEM checks from 0.5-1.0 mm fraction: 2 CR versus crustal ilmenite candidates = 1 CR and 1 crustal ilmenite.
99-M-135	No KIM remarks.
99-M-136	SEM check from 0.25-0.5 mm fraction: 1 GP versus ruby corundum candidate = 1 ruby corundum (picked as MMSIM).
99-M-139	No KIM remarks.
99-M-140	SEM check from 0.5-1.0 mm fraction: 1 IM versus crustal ilmenite candidate = 1 IM.
99-M-142	No KIM remarks.
99-M-145	No KIM remarks.
99-M-146	SEM check from 1.0-2.0 mm fraction: 1 C
99-M-147	No KIM remarks.
99-M-148	No KIM remarks.
99-M-149	No KIM remarks.
99-M-150	No KIM remarks.
99-M-151	No KIM remarks.
99-M-152	No KIM remarks.
99-M-154	No KIM remarks.
99-M-155	No KIM remarks.
99-M-156	No KIM remarks.
99-M-157	No KIM remarks.
99-M-201	No KIM remarks.
99-M-202	SEM check from 0.5-1.0 mm fraction: 1 CR versus IM candidate = 1 IM.
99-M-203	No KIM remarks.
99-M-204	No KIM remarks.
99-M-205	No KIM remarks.

Sample Site	KIM Remarks
99-M-206	No KIM remarks.
99-M-207	No KIM remarks.
99-M-208	No KIM remarks.
99-M-209	No KIM remarks.
99-M-210	No KIM remarks.
99-M-211	No KIM remarks.
99-M-212	No KIM remarks.
99-M-213	No KIM remarks.
99-M-214	No KIM remarks.
99-M-215	No KIM remarks.
99-M-217	No KIM remarks.
99-M-218	No KIM remarks.
99-M-219	No KIM remarks.
99-M-220	No KIM remarks.
99-M-221	No KIM remarks.
99-M-223	SEM check from 0.5-1.0 mm fraction: 1 CR versus tourmaline candidate = 1 tourmaline.
99-M-224	No KIM remarks.
99-M-225	No KIM remarks.
99-M-226	No KIM remarks.
99-M-227	No KIM remarks.
99-M-228	No KIM remarks.
99-M-229	No KIM remarks.
99-M-230	No KIM remarks.
99-M-233	No KIM remarks.
99-M-234	No KIM remarks.
99-M-235	No KIM remarks.
99-M-236	No KIM remarks.
99-M-237	No KIM remarks.
99-M-238	No KIM remarks.
99-M-239	No KIM remarks.
99-M-240	No KIM remarks.
99-M-241	No KIM remarks.
99-M-242	No KIM remarks.
99-M-243	No KIM remarks.
99-M-245	No KIM remarks.
99-M-246	No KIM remarks.
99-M-248	No KIM remarks.
99-M-249	No KIM remarks.
99-M-250	No KIM remarks.
99-M-251	No KIM remarks.
99-M-252	No KIM remarks.
99-M-253	SEM check from 0.
99-M-257	SEM check from 1.0-2.0 mm fraction: 1 IM versus crustal ilmenite candidate = 1 IM. SEM check from 0.5-1.0 mm fraction: 1 IM versus crustal ilmenite candidate = 1 crustal ilmenite.
99-M-259	SEM check from 0.5-1.0 mm fraction: 1 CR versus crustal ilmenite candidate = 1 CR.
99-M-260	No KIM remarks.

Sample Site	KIM Remarks
99-M-261	No KIM remarks.
99-M-262	No KIM remarks.
99-M-263	No KIM remarks.
99-M-264	No KIM remarks.
99-M-265	No KIM remarks.
99-M-266	No KIM remarks.
99-M-267	No KIM remarks.
99-M-268	No KIM remarks.
99-M-269	No KIM remarks.
99-M-271	No KIM remarks.
99-M-272	No KIM remarks.
99-M-273	No KIM remarks.
99-M-274	No KIM remarks.
99-M-275	No KIM remarks.
99-M-276	No KIM remarks.
99-M-277	No KIM remarks.
99-M-278	No KIM remarks.
99-M-279	No KIM remarks.
99-M-280	No KIM remarks.
99-M-281	No KIM remarks.
99-M-282	No KIM remarks.
99-M-284	No KIM remarks.
99-M-286	SEM check from 0.5-1.0 mm fraction: 1 CR versus crustal ilmenite candidate = 1 andradite.
99-M-287	No KIM remarks.
99-M-288	No KIM remarks.
99-M-289	SEM check from 0.5-1.0 mm fraction: 1 forsterite olivine versus epidote candidate = 1 forsterite olivine.
99-M-290	No KIM remarks.
99-M-291	No KIM remarks.
99-M-292	No KIM remarks.
99-M-293	SEM check from 0.5-1.0 mm fraction: 1 IM versus crustal ilmenite candidate = 1 IM.
99-M-294	No KIM remarks.
99-M-295	SEM checks from 0.25-0.5 mm fraction: 3 IM versus crustal ilmenite candidates = 1 IM and 2 crustal ilmenite.
99-M-296	No KIM remarks.
99-M-297	No KIM remarks.
99-M-298	No KIM remarks.
99-M-300	SEM check from 0.25-0.5 mm fraction: 1 forsterite olivine versus diopside candidate = 1 diopside.
99-M-301	No KIM remarks.
99-M-302	No KIM remarks.
99-M-303	No KIM remarks.
99-M-304	No KIM remarks.
99-M-305	SEM check from 0.5-1.0 mm fraction: 1 IM versus crustal ilmenite candidate = 1 crustal ilmenite.
99-M-306	SEM check from 0.5-1.0 mm fraction: 1 IM versus crustal ilmenite candidate = 1 crustal ilmenite.
99-M-307	SEM checks from 0.25-0.5 mm fraction: 5 CR versus crustal ilmenite candidates = 1 CR, 3 crustal ilmenite and 1 hornblende.
99-M-308	No KIM remarks.
99-M-309	SEM checks from 0.25-0.5 mm fraction: 3 CR versus crustal ilmenite candidates = 3 CR.
99-M-310	No KIM remarks.
99-M-311	No KIM remarks.

Sample Site	KIM Remarks
99-M-312	No KIM remarks.
99-M-313	No KIM remarks.
99-M-314	No KIM remarks.
99-M-315	No KIM remarks.
99-M-316	No KIM remarks.
99-M-317	SEM check from 0.5-1.0 mm fraction: 1 IM versus crustal ilmenite candidate = 1 crustal ilmenite.
99-M-319	SEM check from 0.25-0.5 mm fraction: 1 rounded second-cycle GP versus almandine candidate = 1 GP.
99-M-320	Lost one of four IM from 0.25-0.5 mm fraction.
99-M-324	No KIM remarks.
99-M-326	No KIM remarks.
99-M-327	No KIM remarks.
99-M-329	SEM check from 0.25-0.5 mm fraction: 1 CR versus IM candidate = 1 CR.
99-M-330	No KIM remarks.
99-M-331	No KIM remarks.
99-M-332	No KIM remarks.
99-M-334	No KIM remarks.
99-M-335	SEM checks from 0.25-0.5 mm fraction: 2 IM versus CR candidates = 1 CR and 1 crustal ilmenite.
99-M-338	SEM check from 0.5-1.0 mm fraction: 1 IM versus crustal ilmenite candidate = 1 crustal ilmenite.
99-M-339	No KIM remarks.
99-M-341	No KIM remarks.
99-M-342	No KIM remarks.
99-M-343	No KIM remarks.
99-M-344	SEM check from 0.25-0.5 mm fraction: 1 GO versus almandine candidate = 1 GO (pyrope-almandine).
99-M-345	No KIM remarks.
99-M-346	No KIM remarks.
99-M-347	No KIM remarks.
99-M-349	SEM check from 0.5-1.0 mm fraction: 1 IM versus CR candidate = 1 CR.
99-M-350	No KIM remarks.
99-M-351	No KIM remarks.

Sample Site	MMSIM Assemblage
99-M-02	Hornblende-almandine-augite/epidote-diopside-titanite
99-M-03	Hornblende-almandine/epidote-diopside
99-M-04	Hornblende-almandine-ilmenite/epidote-diopside-titanite
99-M-05	Hornblende-almandine-hematite/epidote-diopside-titanite
99-M-07	Hornblende-almandine/epidote-diopside
99-M-08	Hornblende-almandine/epidote-diopside
99-M-09	Hornblende-almandine-ilmenite/epidote-diopside-titanite
99-M-10	Hornblende-almandine/epidote-diopside-titanite
99-M-11	Hornblende-almandine-hematite/epidote-diopside-titanite
99-M-12	Hornblende-almandine/epidote-diopside-titanite
99-M-13	Hornblende-almandine-ilmenite/epidote-diopside-titanite
99-M-14	Hornblende-almandine-hematite/epidote-diopside
99-M-15	Hornblende-almandine-augite/epidote-diopside-titanite
99-M-16	Hornblende-augite-almandine/epidote-diopside-titanite
99-M-17	Hornblende-almandine/epidote-diopside-titanite
99-M-18	Hornblende-almandine/epidote-diopside-titanite
99-M-19	Hornblende-almandine/epidote-diopside-titanite
99-M-21	Hornblende-almandine/epidote-titanite-diopside
99-M-25	Hornblende-almandine-hematite/epidote-diopside-titanite
99-M-26	Hornblende-almandine-hematite/epidote-titanite
99-M-27	Hornblende-almandine-hematite/epidote-diopside
99-M-28	Almandine-hornblende-hematite/epidote-titanite-diopside
99-M-29	Almandine-hornblende-hematite/epidote-titanite-diopside
99-M-30	Hornblende-almandine-hematite/epidote-diopside
99-M-31	Almandine-hornblende/epidote-diopside
99-M-32	Almandine-hornblende-hematite/epidote-titanite
99-M-33	Hornblende-almandine/epidote-diopside
99-M-34	Hornblende-almandine/epidote-diopside
99-M-35	Hornblende-almandine-hematite/epidote-diopside
99-M-36	Almandine-hornblende-hematite/epidote-diopside
99-M-39	Almandine-hornblende-hematite/epidote
99-M-40	Hornblende-almandine-hematite/epidote-titanite
99-M-41	Hornblende-almandine-hematite/epidote-titanite
99-M-42	Hornblende-almandine-hematite/epidote-titanite-diopside
99-M-43	Hornblende-almandine-augite-hematite/ epidote-diopside-titanite
99-M-44	Almandine-hornblende-augite/epidote
99-M-45	Hornblende-almandine-hematite/epidote-diopside-titanite
99-M-46	Hornblende-almandine/epidote-diopside-titanite
99-M-47	Hornblende-almandine-hematite/epidote-titanite

Sample Site	MMSIM Assemblage
99-M-48	Hornblende-almandine-augite/epidote-diopside
99-M-49	Hornblende-almandine-hematite/epidote-diopside-titanite
99-M-50	Hornblende-hematite-almandine/epidote-diopside-titanite
99-M-51	Hornblende-ilmenite-almandine/epidote-diopside-titanite
99-M-52	Hornblende-augite-almandine/epidote-titanite
99-M-53	Almandine-hematite-hornblende/epidote-diopside-titanite
99-M-54	Hornblende-almandine-hematite/diopside-epidote-titanite
99-M-55	Hornblende-hematite-almandine/epidote-diopside-titanite
99-M-56	Almandine-hematite-hornblende/epidote-diopside-titanite
99-M-57	Hornblende-hematite-almandine/epidote-diopside-titanite
99-M-59	Almandine-hornblende-hematite/epidote-diopside-titanite
99-M-63	Hematite-almandine-hornblende/diopside-epidote
99-M-64	Hornblende-almandine-augite-hematite/ epidote-diopside-titanite
99-M-65	Hornblende-almandine-hematite/epidote-diopside
99-M-66	Almandine-hornblende-hematite/epidote-diopside-titanite
99-M-67	Hornblende-almandine-hematite/epidote-diopside-titanite
99-M-68	Hornblende-almandine-hematite/epidote-diopside-titanite
99-M-69	Hornblende-almandine/epidote-diopside
99-M-70	Almandine-augite-hornblende/diopside
99-M-71	Hornblende-almandine-hematite/epidote-diopside-titanite
99-M-73	Hornblende-hematite-almandine/epidote-diopside-titanite
99-M-74	Hornblende-almandine-hematite/epidote-diopside
99-M-75	Hornblende-almandine-hematite/epidote-diopside-titanite
99-M-76	Hornblende-almandine-hematite/epidote-diopside-titanite
99-M-77	Hornblende-almandine-hematite/epidote-diopside-titanite
99-M-78	Hornblende-almandine-hematite/epidote-diopside-titanite
99-M-79	Hornblende-almandine-hematite/epidote-diopside
99-M-80	Hornblende-almandine-hematite/epidote-diopside-titanite
99-M-81	Hornblende-almandine/epidote-diopside
99-M-82	Hornblende-almandine-hematite/epidote-diopside-titanite
99-M-83	Hornblende-almandine-hematite/epidote-diopside-titanite
99-M-84	Hornblende-augite-hematite/epidote-diopside
99-M-85	Hornblende-almandine-hematite/epidote-titanite-diopside
99-M-86	Hornblende-almandine-hematite/epidote-titanite
99-M-87	Hornblende-almandine-hematite/epidote-diopside-titanite
99-M-89	Hornblende-almandine-hematite/epidote-diopside
99-M-90	Hornblende-almandine-hematite/epidote-diopside-titanite
99-M-91	Hornblende-almandine-hematite/epidote-diopside-titanite
99-M-93	Hornblende-almandine-hematite/epidote-diopside-titanite
99-M-94	Almandine-hornblende-hematite/epidote-diopside-titanite
99-M-95	Hornblende-almandine-hematite/epidote-diopside-titanite
99-M-97	Almandine-hornblende-hematite/epidote-diopside
99-M-98	Hornblende-almandine-hematite/epidote-diopside-titanite
99-M-100	Almandine-hornblende-hematite/epidote-diopside-titanite
99-M-101	Almandine-hornblende-hematite/epidote-diopside

Sample Site	MMSIM Assemblage
99-M-102	Hornblende-almandine-augite/epidote-diopside-titanite
99-M-104	Almandine-hornblende/epidote-diopside-titanite
99-M-105	Hornblende-almandine-augite/epidote-diopside-titanite
99-M-106	Almandine-hornblende-hematite/epidote-diopside-titanite
99-M-107	Hornblende-almandine-augite/epidote-diopside-titanite
99-M-108	Hornblende-almandine-hematite/epidote-diopside-titanite
99-M-109	Hornblende-almandine/epidote-diopside
99-M-111	Hornblende-almandine-hematite/epidote-titanite-diopside
99-M-112	Hornblende-almandine-hematite/epidote-diopside-titanite
99-M-113	Hornblende-almandine/epidote-diopside
99-M-114	Hornblende-almandine-hematite/epidote-diopside-titanite
99-M-115	Hornblende-almandine/epidote-diopside-titanite
99-M-116	Almandine-hornblende-augite/epidote-diopside
99-M-118	Almandine-hornblende-hematite/epidote-diopside
99-M-121	Hornblende-almandine/epidote-diopside
99-M-123	Hornblende-almandine/epidote-diopside
99-M-124	Hornblende-almandine/epidote-diopside
99-M-125	Hornblende-almandine-augite/epidote-diopside
99-M-126	Hornblende-almandine-augite/epidote-diopside
99-M-127	Almandine-hornblende-hematite/epidote-diopside
99-M-129	Hornblende-almandine/epidote-diopside
99-M-131	Hornblende-almandine-augite/epidote-diopside-titanite
99-M-134	Almandine-hornblende-hematite/epidote-diopside
99-M-135	Hornblende-almandine-augite-hematite/ epidote-diopside
99-M-136	Hornblende-almandine/epidote-diopside
99-M-139	Almandine-hornblende-hematite/epidote-diopside-titanite
99-M-140	Hornblende-almandine-orthopyroxene/ epidote-diopside
99-M-142	Hornblende-almandine-hematite/epidote-diopside
99-M-145	Hornblende-almandine-hematite/epidote-diopside
99-M-146	Hornblende-almandine-hematite/epidote-diopside-titanite
99-M-147	Hornblende-almandine-augite-hematite/ epidote-diopside
99-M-148	Hornblende-almandine-hematite/epidote-diopside
99-M-149	Hornblende-almandine-hematite/epidote-diopside
99-M-150	Hornblende-almandine-hematite/epidote-diopside
99-M-151	Almandine-hornblende-hematite/epidote-diopside-titanite
99-M-152	Hornblende-almandine-hematite/epidote-diopside
99-M-154	Hornblende-almandine-augite/epidote-diopside-titanite
99-M-155	Hornblende-almandine-augite-hematite/ epidote-diopside
99-M-156	Hornblende-almandine-augite-hematite/ epidote-diopside-titanite
99-M-157	Hornblende-almandine-augite-ilmenite/ epidote-diopside-titanite
99-M-201	Grunerite-almandine-hornblende-hematite/ epidote-diopside-titanite
99-M-202	Hornblende-almandine-hematite/epidote-diopside-titanite
99-M-203	Hornblende-almandine-hematite/epidote-diopside-titanite
99-M-204	Hornblende-almandine-hematite/epidote-diopside-titanite
99-M-205	Hornblende-almandine-hematite/epidote-diopside-titanite

Sample Site	MMSIM Assemblage
99-M-206	Hornblende-almandine-hematite/epidote-diopside-titanite
99-M-207	Hornblende-hematite-almandine-augite/ epidote-diopside-titanite
99-M-208	Almandine-hornblende-augite/epidote -diopside-titanite
99-M-209	Hornblende-almandine-hematite/epidote-diopside-titanite
99-M-210	Hornblende-almandine-hematite/epidote-diopside-titanite
99-M-211	Hornblende-almandine-hematite/epidote-diopside-titanite
99-M-212	Hornblende-almandine-hematite/epidote-diopside-titanite
99-M-213	Hornblende-almandine-augite/epidote-diopside-titanite
99-M-214	Grunerite-almandine-hornblende/epidote-diopside-titanite
99-M-215	Hornblende-almandine-augite/epidote-diopside-titanite
99-M-217	Almandine-hornblende-hematite/epidote-diopside-titanite
99-M-218	Hornblende-almandine-hematite/epidote -diopside-titanite
99-M-219	Hornblende-almandine-augite-hematite/ epidote-diopside-titanite
99-M-220	Hornblende-almandine-hematite/epidote -diopside-titanite
99-M-221	Hornblende-almandine-hematite/epidote -diopside-pyrite
99-M-223	Hornblende-almandine-hematite/diopside -epidote-titanite
99-M-224	Hornblende-hematite-almandine/epidote -diopside-titanite
99-M-225	Hornblende-almandine-augite-hematite/ epidote-diopside-titanite
99-M-226	Hornblende-almandine-hematite/epidote -diopside-titanite
99-M-227	Hornblende-almandine-augite/epidote-diopside-titanite
99-M-228	Hornblende-almandine-augite-hematite/ epidote-diopside
99-M-229	Hornblende-almandine-hematite/epidote-diopside
99-M-230	Hornblende-almandine-augite-hematite/ epidote-diopside
99-M-233	Hornblende-almandine-hematite-augite/ epidote-diopside-titanite
99-M-234	Hornblende-almandine-augite/epidote-diopside-titanite
99-M-235	Hornblende-almandine-hematite-augite/ epidote-diopside-titanite
99-M-236	Hornblende-almandine-augite-hematite/ epidote-diopside-titanite
99-M-237	Hornblende-almandine-augite-hematite/ epidote-titanite-diopside
99-M-238	Hornblende-almandine-augite/epidote-diopside-titanite
99-M-239	Hornblende-almandine-hematite-augite/ epidote-diopside-titanite
99-M-240	Hornblende-almandine-augite/epidote-diopside-titanite
99-M-241	Hornblende-almandine-hematite/epidote-diopside-titanite
99-M-242	Hornblende-almandine-hematite/epidote-diopside-titanite
99-M-243	Hornblende-almandine-hematite/epidote-diopside-titanite
99-M-245	Almandine-hornblende-hematite/epidote-diopside-titanite
99-M-246	Hornblende-almandine-hematite/epidote-diopside
99-M-248	Hornblende-almandine-hematite/epidote-diopside-titanite
99-M-249	Hornblende-almandine/epidote-diopside-titanite
99-M-250	Hornblende-almandine-hematite/epidote-diopside-titanite
99-M-251	Hornblende-almandine/epidote-diopside
99-M-252	Almandine-hornblende-hematite/diopside-epidote-titanite
99-M-253	Almandine-hornblende-hematite/epidote-diopside-titanite
99-M-257	Almandine-hornblende/epidote-diopside-titanite
99-M-259	Hornblende-almandine-hematite/epidote-diopside
99-M-260	Hornblende-almandine-hematite/epidote-diopside-titanite

Sample Site	MMSIM Assemblage
99-M-261	Almandine-hornblende-hematite-augite/ epidote-diopside-titanite
99-M-262	Hornblende-almandine-augite/epidote-diopside
99-M-263	Almandine-hornblende/epidote-diopside
99-M-264	Almandine-hornblende-hematite/epidote-diopside-titanite
99-M-265	Hornblende-almandine/epidote-diopside
99-M-266	Almandine-hornblende-hematite/epidote-diopside
99-M-267	Hornblende-almandine/epidote-diopside-titanite
99-M-268	Hornblende-almandine/epidote-diopside
99-M-269	Hornblende-almandine/epidote-diopside-titanite
99-M-271	Hornblende-almandine/epidote-diopside
99-M-272	Almandine-hornblende/epidote-diopside-titanite
99-M-273	Hornblende-almandine-hematite/epidote-diopside
99-M-274	Hornblende-almandine/epidote-diopside
99-M-275	Hornblende-almandine/epidote-diopside-titanite
99-M-276	Almandine-hornblende/epidote-diopside-titanite
99-M-277	Hornblende-almandine-hematite/epidote-diopside
99-M-278	Hornblende-almandine/epidote-diopside
99-M-279	Hornblende-almandine/epidote-diopside
99-M-280	Hornblende-almandine/epidote-diopside
99-M-281	Goethite-hornblende-almandine/epidote-diopside-titanite
99-M-282	Hornblende-almandine-hematite/epidote-diopside
99-M-284	Hornblende-almandine-hematite/epidote-diopside-titanite
99-M-286	Hornblende-almandine-ilmenite/epidote-diopside-titanite
99-M-287	Hornblende-almandine/epidote-diopside-titanite
99-M-288	Hornblende-almandine-augite/epidote-diopside
99-M-289	Hornblende-almandine/epidote-diopside
99-M-290	Hornblende-almandine/epidote-diopside-titanite
99-M-291	Hornblende-almandine/epidote-diopside-titanite
99-M-292	Hornblende-almandine-augite-hematite/ epidote-diopside-titanite
99-M-293	Hornblende-almandine-hematite/epidote-diopside-titanite
99-M-294	Almandine-hornblende-hematite/epidote-diopside-titanite
99-M-295	Hornblende-almandine/epidote-diopside-titanite
99-M-296	Hornblende-almandine/epidote-diopside-titanite
99-M-297	Hornblende-almandine/epidote-diopside
99-M-298	Hornblende-almandine-augite/epidote-diopside-titanite
99-M-300	Hornblende-almandine/epidote-diopside-titanite
99-M-301	Hornblende-almandine/epidote-diopside-titanite
99-M-302	Hornblende-almandine/epidote-diopside-titanite
99-M-303	Hornblende-almandine-augite/epidote-diopside-titanite
99-M-304	Hornblende-almandine-hematite/epidote-diopside-titanite
99-M-305	Hornblende-almandine-augite-hematite/ epidote-diopside-titanite
99-M-306	Hornblende-almandine/epidote-diopside-titanite
99-M-307	Hornblende-almandine-augite/epidote-diopside-titanite
99-M-308	Hornblende-almandine-hematite/epidote-diopside-titanite
99-M-309	Hornblende-almandine/epidote-diopside
99-M-310	Hornblende-almandine/epidote-diopside-titanite
99-M-311	Hornblende-almandine-augite/epidote-diopside-titanite

Sample Site	MMSIM Assemblage
99-M-312	Hornblende-almandine-hematite/epidote-diopside-titanite
99-M-313	Hornblende-almandine-augite/epidote-diopside-titanite
99-M-314	Hornblende-almandine-augite/epidote-diopside-titanite
99-M-315	Almandine-hornblende-hematite/epidote-diopside-titanite
99-M-316	Hornblende-almandine-hematite-augite/ epidote-diopside-titanite
99-M-317	Almandine-hornblende/epidote-diopside-titanite
99-M-319	Hornblende-almandine-ilmenite/epidote-diopside
99-M-320	Hornblende-almandine-hematite/epidote-diopside
99-M-324	Hornblende-almandine-augite/epidote-diopside-titanite
99-M-326	Hornblende-almandine/epidote-diopside
99-M-327	Hornblende-almandine-augite/epidote-diopside
99-M-329	Hornblende-almandine-augite/epidote-diopside
99-M-330	Hornblende-almandine/epidote-diopside-titanite
99-M-331	Hornblende-almandine/epidote-diopside-titanite
99-M-332	Hornblende-almandine/epidote-diopside-titanite
99-M-334	Hornblende-almandine-hematite/epidote-diopside
99-M-335	Hornblende-almandine-augite/epidote-diopside-titanite
99-M-338	Almandine-hornblende/epidote-diopside-titanite
99-M-339	Hornblende-almandine/epidote-diopside-titanite
99-M-341	Hornblende-almandine/epidote-diopside
99-M-342	Almandine-hornblende/epidote-diopside
99-M-343	Hornblende-almandine-hematite/epidote-diopside-titanite
99-M-344	Hornblende-almandine-hematite/epidote-diopside-titanite
99-M-345	Hornblende-almandine/epidote-diopside-titanite
99-M-346	Almandine-hornblende/epidote-diopside
99-M-347	Almandine-hornblende-hematite/epidote-diopside
99-M-349	Hornblende-almandine-hematite/epidote-diopside
99-M-350	Hornblende-almandine-augite/epidote-diopside-titanite
99-M-351	Hornblende-almandine/epidote-diopside-titanite

Sample Site	MMSIM Remarks
99-M-02	
99-M-03	
99-M-04	
99-M-05	
99-M-07	SEM check from 0.5-1.0 mm f
99-M-08	
99-M-09	
99-M-10	
99-M-11	
99-M-12	
99-M-13	
99-M-14	
99-M-15	SEM checks from 0.25-0.5 mm fraction: 2 pale blue-green gahnite versus spinel candidates = 2 spinel.
99-M-16	SEM checks from 0.25-0.5 mm fraction: 7 blue sapphirine versus spinel candidates = 5 sapphirine and 2 spinel.
99-M-17	
99-M-18	SEM check from 0.25-0.5 mm fraction: 1 pink spinel versus almandine candidate = 1 zircon.
99-M-19	
99-M-21	SEM check from 0.25-0.5 mm fraction: 1 dark blue spinel versus gahnite candidate = 1 spinel.
99-M-25	
99-M-26	
99-M-27	SEM checks from 0.25-0.5 mm fraction: 1 grey corundum versus epidote candidate = 1 epidote; 1 brown dravite tourmaline versus staurolite candidate = 1 staurolite; and 1 pink spinel versus zircon candidate = 1 zircon.
99-M-28	
99-M-29	
99-M-30	SEM check from 0.5-1.0 mm fraction: 1 red-orange spessartine versus staurolite candidate = 1
99-M-31	
99-M-32	
99-M-33	SEM check from 0.25-0.5 mm fraction: 1 blue-green gahnite versus diopside candidate = 1 gahnite.
99-M-34	SEM check from 0.25-0.5 mm fractioin: 1 grey spinel versus epidote candidate = 1 andalusite.
99-M-35	
99-M-36	
99-M-39	
99-M-40	
99-M-41	
99-M-42	
99-M-43	
99-M-44	SEM checks from 0.25-0.5 mm fraction: 2 colourless spinel versus diopside candidates = 2 common spinel.
99-M-45	SEM check from 0.25-0.5 mm fraction: 1 pale blue spinel versus apatite candidate = 1 common spinel.
99-M-46	
99-M-47	SEM check from 0.25-0.5 mm fraction: 1 colourless spinel versus epidote candidate = 1 common spinel.

Sample Site	MMSIM Remarks
99-M-48	
99-M-49	
99-M-50	
99-M-51	
99-M-52	
99-M-53	SEM check from 0.25-0.5 mm fraction: 1 colourless spinel versus topaz candidate = 1 spinel.
99-M-54	
99-M-55	
99-M-56	
99-M-57	
99-M-59	
99-M-63	SEM check from 0.25-0.5 mm fraction: 1 ruby corundum versus almandine candidate = 1 ruby corundum.
99-M-64	SEM check from 0.25-0.5 mm fraction: 1 blue sapphire corundum versus spinel candidate = 1 sapphire corundum.
99-M-65	
99-M-66	
99-M-67	
99-M-68	
99-M-69	Undersized concentrate.
99-M-70	
99-M-71	
99-M-73	
99-M-74	
99-M-75	
99-M-76	
99-M-77	
99-M-78	
99-M-79	
99-M-80	SEM check from 0.25-0.5 mm fraction: 1 pale purple spinel versus kyanite candidate = 1 spinel.
99-M-81	
99-M-82	
99-M-83	SEM checks from 0.25-0.5 mm fraction: 1 green gahnite versus spinel candidate = 1 gahnite; and 1 Mn-epidote versus apatite candidate = 1 apatite.
99-M-84	
99-M-85	
99-M-86	
99-M-87	SEM check from 0.5-1.0 mm fraction: 1 red-orange spessartine versus almandine candidate = 1 almandine.
99-M-89	
99-M-90	
99-M-91	SEM check from 0.25-0.5 mm fraction: 1 colourless spinel versus quartz candidate = 1 spinel.
99-M-93	SEM check from 0.25-0.5 mm fraction: 1 green uvarovite versus Cr-grossular candidate = 1 Cr-andradite.
99-M-94	
99-M-95	
99-M-97	
99-M-98	
99-M-100	
99-M-101	SEM check from 0.25-0.5 mm fraction: 1 pale pink spinel versus almandine candidate = 1 ruby corundum.

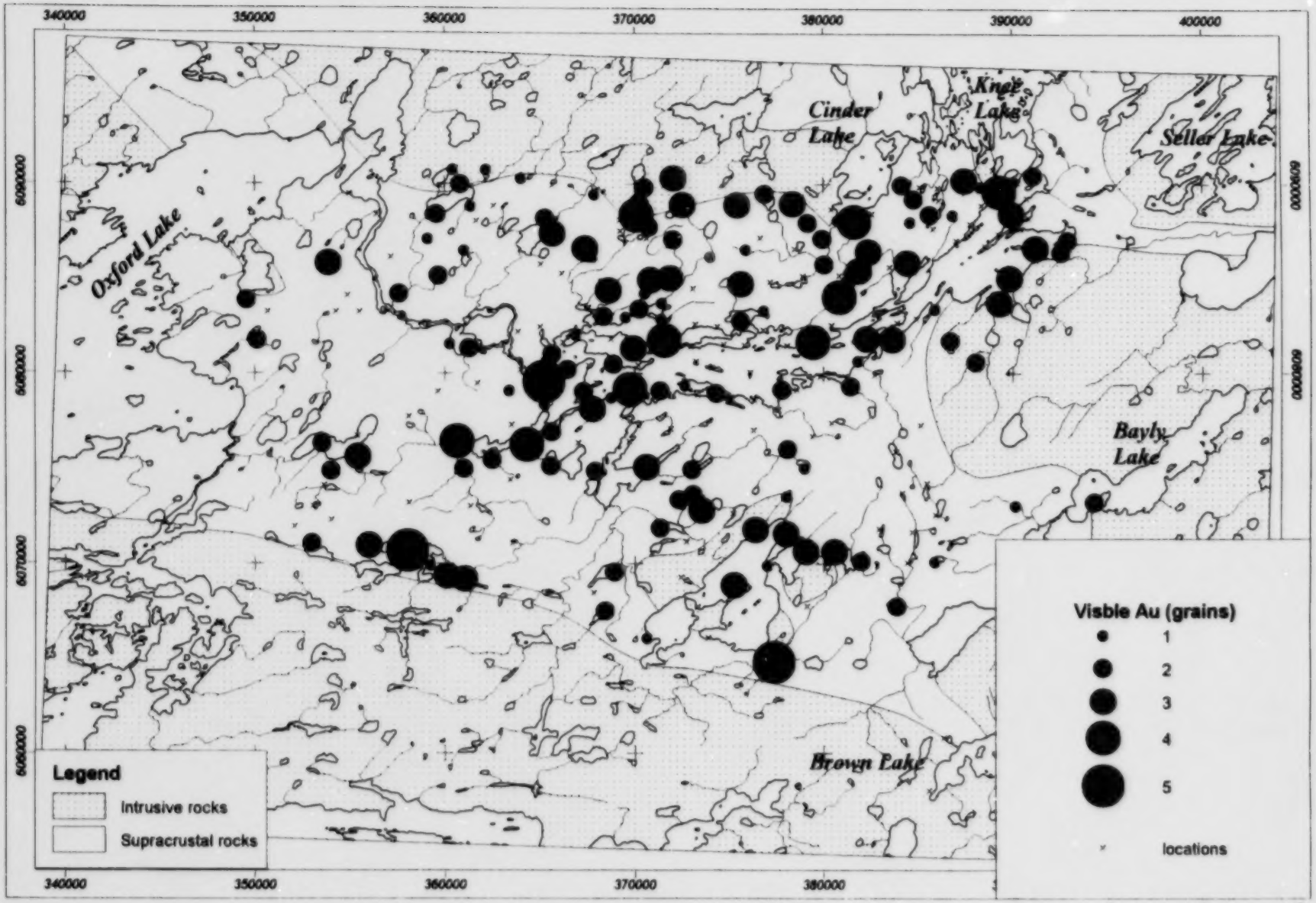
Sample Site	MMSIM Remarks
99-M-102	
99-M-104	
99-M-105	
99-M-106	
99-M-107	SEM check from 0.25-0.5 mm fraction: 1 ruby corundum versus almandine candidate = 1 Mg-almandine.
99-M-108	SEM check from 0.25-0.5 mm fraction: 1 ruby corundum versus almandine candidate = 1 spinel.
99-M-109	SEM check from 0.5-1.0 mm fraction: 1 ruby corundum versus almandine candidate = 1 almandine. SEM check from 0.25-0.5 mm fraction: 1 ruby corundum versus almandine candidate = 1 almandine.
99-M-111	
99-M-112	SEM checks from 0.25-0.5 mm fraction: 2 gahnite versus spinel candidates = 2 spinel; 3 ruby corundum versus almandine candidates = 1 ruby corundum and 2 andalusite; and 1 Mn-epidote versus monazite candidate = 1 monazite.
99-M-113	
99-M-114	
99-M-115	
99-M-116	
99-M-118	SEM checks from 0.25-0.5 mm fraction: 1 ruby corundum versus almandine candidate = 1 almandine; and 1 blue sapphire corundum versus kyanite candidate = 1 kyanite.
99-M-121	
99-M-123	SEM check from 0.25-0.5 mm fraction: 1 gahnite versus pyroxene candidate = 1 diopside-hedenbergite.
99-M-124	SEM check from 0.25-0.5 mm fraction: 1 ruby corundum versus almandine candidate = 1 almandine.
99-M-125	
99-M-126	
99-M-127	
99-M-129	
99-M-131	
99-M-134	
99-M-135	
99-M-136	
99-M-139	
99-M-140	
99-M-142	
99-M-145	
99-M-146	
99-M-147	
99-M-148	
99-M-149	
99-M-150	
99-M-151	
99-M-152	
99-M-154	
99-M-155	
99-M-156	
99-M-157	
99-M-201	SEM check from 0.25-0.5 mm fraction: 1 fibrous augite versus amphibole candidate = 1 Fe-silicate (grunerite). 1% finely crystalline pyrite (± grunerite) in <0.6 amp fraction of 0.25-0.5 mm.
99-M-202	SEM check from 0.25-0.5 mm fraction: 1 green gahnite versus spinel candidate = 1 hercynite.
99-M-203	
99-M-204	
99-M-205	

Sample Site	MMSIM Remarks
99-M-206	
99-M-207	
99-M-208	
99-M-209	
99-M-210	
99-M-211	
99-M-212	
99-M-213	
99-M-214	
99-M-215	
99-M-217	
99-M-218	SEM checks from 0.25-0.5 mm fraction: 3 spessartine versus almandine candidates = 3 almandine.
99-M-219	
99-M-220	
99-M-221	
99-M-223	SEM checks from 0.25-0.5 mm fraction: 4 spessartine versus almandine candidates = 3 almandine and 1 staurolite.
99-M-224	
99-M-225	SEM check from 0.5-1.0 mm fraction: 1 spinel versus almandine candidate = 1 spinel.
99-M-226	
99-M-227	SEM checks from 0.25-0.5 mm fraction: 2 spessartine versus almandine candidates = 2 spessartine.
99-M-228	
99-M-229	
99-M-230	
99-M-233	
99-M-234	
99-M-235	
99-M-236	
99-M-237	
99-M-238	
99-M-239	
99-M-240	
99-M-241	
99-M-242	
99-M-243	
99-M-245	
99-M-246	
99-M-248	SEM checks from 0.25-0.5 mm fraction: 4 spessartine versus almandine candidates = 1 spessartine, 1 Mn-almandine and 2 almandine.
99-M-249	
99-M-250	
99-M-251	
99-M-252	SEM checks from 0.25-0.5 mm fraction: 4 spessartine versus almandine candidates = 3 spessartine and 1 almandine.
99-M-253	SEM check from 0.5-1.0 mm fraction: 1 spessartine versus almandine candidate = 1 spessartine. SEM checks from 0.25-0.5 mm fraction: 4 spessartine versus almandine candidates = 3 spessartine and 1 Mn-almandine.
99-M-257	SEM checks from 0.25-0.5 mm fraction: 3 green gahnite versus spinel candidates = 1 gahnite and 2 spinel; and 1 sapphire corundum candidate = 1 sapphire corundum.
99-M-259	
99-M-260	

Sample Site	MMSIM Remarks
99-M-261	
99-M-262	
99-M-263	
99-M-264	
99-M-265	
99-M-266	
99-M-267	SEM check from 0.25-0.5 mm fraction: 1 green gahnite versus spinel candidate = 1 spinel.
99-M-268	
99-M-269	
99-M-271	
99-M-272	
99-M-273	SEM checks from 0.25-0.5 mm fraction: 4 spessartine versus almandine candidates = 1 spessartine and 3 almandine.
99-M-274	SEM checks from 0.25-0.5 mm fraction: 4 spessartine versus almandine candidates = 1 spessartine and 3 almandine.
99-M-275	SEM checks from 0.25-0.5 mm fraction: 4 spessartine versus almandine candidates = 2 spessartine and 2 almandine.
99-M-276	
99-M-277	SEM check from 0.25-0.5 mm fraction: 1 red Mn-epidote versus monazite candidate = 1 monazite.
99-M-278	SEM check from 0.25-0.5 mm fraction: 1 red Mn-epidote versus monazite candidate = 1 Mn-epidote.
99-M-279	
99-M-280	
99-M-281	Goethite occurs mainly in schistose lithic grains which report to all paramagnetic and nonparamagnetic fractions.
99-M-282	
99-M-284	
99-M-286	
99-M-287	
99-M-288	SEM check from 0.25-0.5 mm fraction: 1 green spinel versus pyroxene candidate = 1 hedenbergite.
99-M-289	
99-M-290	
99-M-291	SEM checks from 0.25-0.5 mm fraction: 4 spessartine versus almandine candidates = 1 spessartine and 3 almandine.
99-M-292	
99-M-293	
99-M-294	
99-M-295	
99-M-296	
99-M-297	
99-M-298	SEM checks from 0.25-0.5 mm fraction: 1 colourless spinel candidate = 1 spinel; and 1 ruby corundum versus almandine candidate = 1 ruby corundum.
99-M-300	
99-M-301	
99-M-302	
99-M-303	
99-M-304	
99-M-305	
99-M-306	
99-M-307	
99-M-308	
99-M-309	
99-M-310	
99-M-311	

Sample Site	MMSIM Remarks
99-M-312	
99-M-313	
99-M-314	
99-M-315	
99-M-316	SEM check from 0.25-0.5 mm fraction: 1 dark green gahnite versus pyroxene candidate = 1 common spinel.
99-M-317	
99-M-319	
99-M-320	
99-M-324	
99-M-326	SEM check from 0.25-0.5 mm fraction: 1 blue spinel versus sapphirine candidate = 1 spinel + quartz.
99-M-327	
99-M-329	
99-M-330	
99-M-331	
99-M-332	
99-M-334	
99-M-335	
99-M-338	SEM check from 0.25-0.5 mm fraction: 1 ruby corundum versus almandine candidate = 1 ruby corundum.
99-M-339	
99-M-341	
99-M-342	SEM check from 0.25-0.5 mm fraction: 1 green gahnite versus pyroxene candidate = 1 augite.
99-M-343	SEM check from 0.25-0.5 mm fraction: 1 green gahnite versus spinel candidate = 1 spinel.
99-M-344	
99-M-345	
99-M-346	
99-M-347	
99-M-349	
99-M-350	
99-M-351	

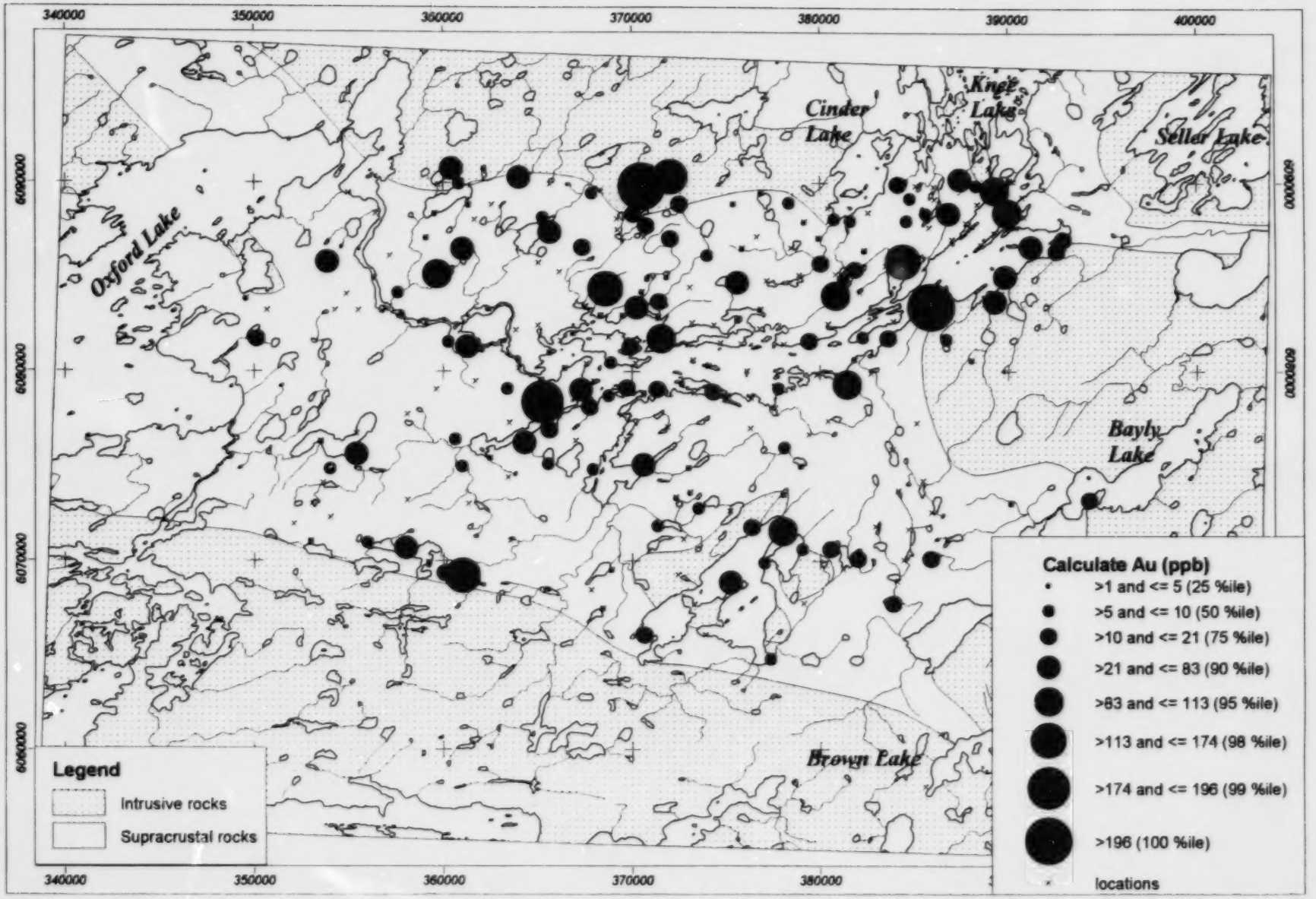
Grain Count Plots For Visible Gold Grains.



Visible gold grain analysis - 250 samples

Appendix G-10-1

Percentile Bubble Plot For Calculated Parts Per Billion Gold.



Calculated gold content - 250 samples

Appendix G-11-1

B-HORIZON SOIL GEOCHEMICAL SURVEY

Introduction

B-horizon soil samples have been used extensively during geochemical exploration programs for base and precious metals as well as other commodity types. Routinely, these samples were sieved to -80 mesh and analyzed for numerous elements by atomic absorption spectrometry (AAS) or ICP-AES, subsequent to an aqua regia digest. Other dissolutions were also utilized, including a number of phase specific and sequential digestions. The b-horizon geochemical database created for Operation Superior samples collected in 1999 is based on the enzyme leach process. This analysis is a phase-specific approach to the delineation of metal-enriched zones within b-horizon soil samples. The enzyme leach data, like data generated from all other analytical approaches in the dataset, are interpreted from the Knee Lake Belt sampled in 1999.

Enzyme leach

The enzyme leach process is a phase-specific leach that preferentially attacks amorphous manganese oxide coatings on mineral grains thereby liberating trace metals that are trapped in this material. Amorphous manganese oxide represents an efficient chemical sieve or trap for cations, anions and polar molecules because of its large surface area and the random distribution of charges on its surface. The trace elements that are trapped or complexed on the amorphous manganese oxides are interpreted to represent the chemical signatures of buried, oxidizing mineralization at depth, rather than originating from a transported overburden source, such as till. It should be noted, however, that the geochemical signature within the b-horizon may be strongly affected by the weathering of till and the subsequent downward movement of metals. This could produce a 'transported' till geochemical signature in combination with site specific mineralization-related geochemical signatures, resulting in a composite signature overall.

The possible contribution of parent material composition to the overall enzyme leach signature is not well understood. Most of the amorphous manganese oxide is developed in the b-horizon and studies in both arid and humid geological and climatic environments have established that mineral particles within this soil horizon are coated with this authigenic material. The a-soil horizon may not reflect geochemical anomalies identified in the b-horizon, because the a-horizon is fairly rapidly leached of its metallic components. These are carried downwards, perhaps as humic- or fulvic-acid compounds (humates/fulvates?), and trapped or sieved as they encounter the amorphous Mn-oxide coatings on mineral grains in the b-horizon.

The chemical composition of the a-horizon is significantly impacted by the metal contents of vegetation contributing litter to the forest floor. This litter will reflect metals obtained by vegetation during nutrient acquisition from soil horizons tapped by root systems. Accordingly, the a-horizon geochemical signature will reflect the ability of various species to acquire and store metals until such time as they are dropped to the forest floor, decompose and move downward in the soil profile. This source of metal may, therefore, reflect a transported metal signature representing a clastic component within an exotic till or lacustrine clay rather than a buried mineralization signature.

The diffusion of relatively volatile metal phases or metals transported by gases consisting of Hg-vapour, CO_2, Rn, He, N, 0_2, $C0_4$, Ar and S-compounds, away from an oxidizing zone of mineralization, undoubtedly proceeds as a result of a number of processes. Metal transport may be affected by the influence of an electrochemical or self-potential cell below the groundwater table, or as gaseous transport of elements derived from oxidizing mineralization and/or mantle de-gassing (cf. Gold and Soter, 1980; 'geogas', Malmqvist and Kristiansson, 1984; 'earth-gas', Wang et al., 1997). Metals carried by one or more of these mechanisms will be adsorbed by the amorphous Mn-oxide, enriching this portion of the b-horizon in metals.

Native gold and mercury in the soil profile will not be digested using the enzyme leach. The leachate from the b-horizon soil is analyzed by ICP-MS for 59 elements at detection limits in the parts per billion range. Clark (1992, 1993) provides theory and application of the enzyme leach method. Data interpretation proceeds from the assessment of the halogens (Cl, Br, I) to an oxidation suite of As, Sb, Mo, W, Re, Se, Te, V, U, and Th followed by the metals (Cu, Zn, Pb, Bi, Cd, Co, Ga, Ge, Ni, Sn, Ag, Au), high field strength elements (Y, Ti, Nb, Zr), lithophile elements (Ba, Cs, Li, Mn, Rb, Sr) and finally the rare earth elements. Fedikow and Ziehlke (1998) provide a Manitoba example of a property scale application of this technique. Regional survey descriptions are available in Fedikow et al. (1997a, 1997b).

Sample collection

B-horizon soil geochemical samples were collected from the pit dug for the till samples. The b-horizon was isolated on a clean face on one or more walls of the pit and scooped into a labelled, medium-sized, ZIPLOC sample bag. Care was taken not to include organic material either from the overlying humus or from forest litter when collecting this inorganic sample. This precaution was considered particularly important for enzyme leach analyses where considerable variance can be added to the data by mixing organic and inorganic material. The b-horizon in the survey areas ranged in colour from orange to chocolate brown. At some sampling sites there was a 3-5 cm zone of mixing between organic and inorganic soil layers. In these instances the b-horizon sample was collected from below the zone of mixing. Another variant in b-horizon sampling is the slumped, contorted and mixed nature of the most decomposed portions of the b-horizon with less oxidized, usually lower b-horizon material. This was attributed to either frost-jacking or too soft sediment deformation. In these instances the b-horizon sample comprises b-horizon material that was inevitably mixed with less oxidized material. Duplicate samples were collected every tenth site.

Sample preparation and analysis

Samples were returned to camp daily and stored in a shaded low lying area out of the direct rays of the sun, so that sample temperatures would not exceed 40°C. This temperature is considered to represent the upper limit for samples to be analyzed by the enzyme leach method. Temperatures exceeding 40°C will result in the volatilization of metal-bearing compounds from the sample. B-horizon soil samples were shipped to the Manitoba Geological Survey laboratory, where they were air dried at less than 40°C and sieved to obtain the -60 mesh size fraction. The -60 mesh portion was forwarded to Activation Laboratories Ltd. for enzyme leach-ICP-MS analysis. In the 1999 survey samples an ICP-AES analysis of the enzyme leachate was done for Mn, Al, Ca, Fe, Na, Mg, K and Si. These data may assist in the recognition of more regional geochemical trends that can be attributed to alteration systems. A separate -80 mesh aliquot was submitted to the Manitoba Geological Survey laboratory for the measurement of pH and conductivity. The pH and conductivity measurements were corrected and converted to H^+ and specific conductance using the formula of Govett (1976) and reproduced with examples in Govett et al. (1984). Geochemical data is listed in Appendix B-1 and analyses for field duplicate samples are listed in Appendix B-2. Percentile bubble plots appear in Appendix B-3. With the exception of the hydrogen ion (H^+) and specific conductance (*K*) no other analyses were performed on the b-horizon soils. H+ results were low and are not discussed further.

Results

Specific conductance *K* (water-extractable metal)

K: The northwest corner of the 1999 survey area is marked by single and multisite specific conductance values comprising a 99th percentile at site 222 and two 98th percentiles at sites 131 and 135. Northeast of this response is a single site 100th percentile at site 96 and a second at site 99 along the northern margin of the belt. An isolated 100th percentile occurs at site 285 east of the Magill Lake intrusion. A single 99th percentile occurs at site 56 east of Cinder Lake.

Enzyme Leach

Halogens

Cl: Single site 100th percentiles are scattered throughout the 1999 survey area. These occur at sites 143 (12129 ppb), 153 (12033 ppb) and 220 (14023 ppb). The southern shore of Knee Lake is marked by several 99th percentile responses that correspond to the mapped location of the Southern Knee Lake Shear Zone (SKSZ). These are sites 292 (11519 ppb), 293 (10945 ppb) and 299 (10415 ppb). Moderate 98th percentile responses (8501-9843 ppb) are observed at several sites along a linear band of felsic volcanic rocks east of Cinder Lake.

Br: The Knee Lake Belt is marked by two areas of elevated Br responses. The first is an area north of the Magill Lake intrusion marked by two 100th percentile responses (765 ppb at site 238 and 477 ppb at site 330) as well as several 99th and 98th responses. Sites of elevated Br are also documented from the northwest corner of the survey area where a 100th percentile of 560 ppb occurs at site 124. There are 99th, 98th and 95th percentile responses in this general area as well.

I: High I responses are documented from an area north of the Magill Lake intrusion in an area characterized by greywacke, conglomerate and arkose. These responses comprise two 100th percentile responses of 217 ppb at site 256 and 199 ppb at site 330. There is also two 98th percentile responses in this I cluster. This response correlates to high Br enzyme leach responses. An isolated 100th percentile response occurs west of the west end of Knee Lake at site 342 (241 ppb).

Oxidation suite elements

As: Significantly enriched As contents are documented at sites 292-296 along the southern shore of Knee Lake in an area characterized by strongly foliated rocks within the SKSZ. Arsenic values in this area range from 48-57 ppb and are classified as 100th-98th percentiles. Site 251 (53 ppb, 99th percentile) occurs to the west of the multisite anomaly. Additionally, 100th percentiles are documented from site 261 (56 ppb) close to the southern belt margin and at site 342 (104 ppb).

Sb: The SKSZ at site 296 is marked by a single 100th percentile response of 3 ppb. Three significant responses for Sb are noted from the northeastern corner of the 1999 survey area at sites 16 (100th percentile, 3 ppb), 20 (100th percentile, 3 ppb) and at site 146 (99th percentile, 2 ppb). Sites 16 and 20 are associated with a linear belt of felsic volcanic rocks east of Cinder Lake. Two 99th percentile responses are documented from sites 331 (2 ppb) north of the Magill Lake intrusion and at site 143 (2 ppb) west of the west end of Knee Lake. The majority of the elevated As responses were collected from sites in the south half of the 1999 survey area where sedimentary rocks dominate over volcanic rocks.

V: Three 100th percentile V responses are documented from sites 20 (337 ppb) and 153 (545 ppb) in the northern survey area. A third single site 100th percentile response (326 ppb) occurs west of the west end of Knee Lake in an area with elevated As. Two 99th percentile responses are also present in the survey. These occur at sites 146 in the northeast corner of the area (297 ppb) and at site 335 near the highly strained southern belt margin (297 ppb).

U: Moderate to low contrast U responses were obtained for the Knee Lake Belt. A 100th percentile response (5 ppb, site 96) coupled with 5 sites with 95th-90th percentile responses forms a cluster in the northwest corner of the 1999 survey area. The most significant response for U is documented from the west end of southern Knee Lake. Multiple sites of 100th-95th percentile responses (8-2.5 ppb) define this anomalous site developed over an east-west-trending belt of felsic volcanic rocks. Moderately elevated U (99th and 98th percentiles (4 and 3 ppb) occur in samples collected adjacent to the Magill Lake intrusion.

Th: Elevated thorium results for the 1999 survey area mimic the results for U. The northwest corner of the survey area, the west end

of Knee Lake and the area of the Magill Lake intrusion are all anomalous. Sites 93-97 form a moderate to low contrast response (12-24 ppb) in the northwest whereas the multi-site anomaly (32-88 ppb) at the west end of the lake is the highest contrast Th response in the 1999 survey. The anomaly at Magill Lake is a single site 100th percentile response of 40 ppb (site 281).

Metals

Cu: The Knee Lake Belt is marked by several clusters of moderate contrast Cu anomalies. A three site anomaly of 107-132 ppb occurs at the eastern limits of sampling and a single site 100th percentile response of 149 ppb occurs at site 294 within the SKSZ. Other significant responses include single site 100th percentiles at site 250 (120 ppb) at the west end of the lake and site 153 west of Cinder Lake (173 ppb) which has the highest Cu value in the 1999 enzyme leach survey. Higher responses appear to be associated with the southern portion of the 1999 survey area where sedimentary rocks predominate over volcanic rocks.

Pb: Lead responses are conspicuously higher in the northern half of the survey area where volcanic rocks predominate over sedimentary rocks. Three distinctive anomalous areas are noted. The first occurs at the northwest margin of the survey area where a four site anomaly is defined. Lead values range from 12-26 ppb and correlate to anomalous U and Th responses. A second anomaly is noted along the northwest shore of Knee Lake where three 100th percentile responses of 17-22 ppb are accompanied by numerous 95th and 90th percentiles. This anomaly is associated with an east-west-trending band of felsic volcanic rocks. The third anomalous area occurs east of Cinder Lake and is also associated with this felsic volcanic sequence. This five site cluster (15, 16, 51, 55 and 56) has Pb values that range from a 100th percentile of 18 ppb to 8 ppb (90th percentile). An apparent linear elevated Pb response is observed to correlate with the northern boundary of the southern Knee Lake Belt and this may reflect an east-west-trending belt-bounding high strain zone.

Ga: The Ga results vary sympathetically with the Pb responses and suggest the presence of Pb sulphides at the corresponding anomalous sample sites. The highest responses for the northwest corner of the area are developed for sites 89, 93, 95, 96 and 97. Values range from the 100th percentile response of 22 ppb (site 96) to 11 ppb at site 97. The most significant response occurs along the norhwest shore of Knee Lake where a high contrast multisite anomaly (12-19 ppb) is developed. This anomaly covers a significant portion of the felsic volcanic rocks mapped in this area. The third anomalous area is developed west and east of the south end of Cinder Lake where a linear alignment of sites 54, 56, 58 and 62 are marked by 99th-98th percentile responses of 11-15 ppb. It is possible that this response also reflects a belt-bounding high strain zone.

Zn: A multisite cluster of high Zn responses occurs south and west of the west end of Knee Lake. The cluster is characterized by a single 100th percentile of 476 ppb in association with multiple 98th percentiles (209-263 ppb). This anomaly is developed over terrain mapped as predominantly sedimentary in origin. A two site response is noted west of this anomaly at sites 226 (100th percentile, 451 ppb) and 131 (98th percentile, 238 ppb). This anomaly is also associated with sedimentary rocks. North of southern Knee Lake a three site, high contrast anomaly is documented in association with basaltic volcanic rocks. This anomaly comprises one 100th percentile response of 385 ppb (site 155), one 99th percentile of 275 ppb (site 157) and a 95th percentile of 171 ppb (site 156). A single 99th percentile response occurs at the northwest periphery of the Magill Lake intrusion (287ppb).

Cd: Cadmium responses in the 1999 survey area are low contrast, however there are multiple groupings of anomalous sites that correlate to previously described base metal responses. The SKSZ and strongly foliated rocks along the north shore of the lake are marked by 100th percentile responses at sites 310 (1.4 ppb) and 305 (1.2 ppb). In the northeast corner of the survey area a 100th percentile at site 15 (4.1 ppb) is associated with a band of felsic volcanic rocks east of Cinder Lake. An isolated 99th percentile

response occurs at site 276 (1.0 ppb) and a 100th percentile (2.1 ppb) occurs at site 230.

Ni: Four sites of significant Ni responses are identified in the Knee Lake Belt. At the northwest corner a 100th percentile of 91 ppb occurs at site 96 in conjunction with a 98th percentile (80 ppb) at site 93. The SKSZ is marked by a 100th percentile response and three 98th percentile responses. The Ni values in this zone vary from 75-89 ppb. The northwest shore of Knee Lake is also marked by a significant Ni response in three sites with 78-82 ppb representing 99th and 98th percentile responses. An isolated 100th percentile response occurs northwest of the Magill Lake intrusion. Site 259 is marked by the highest Ni response (91 ppb) in the 1999 survey.

Co: The 1999 survey area is characterized by scattered single site anomalous Co responses that are of moderate contrast. Site 261 (100th percentile, 53 ppb) occurs close to the southern belt margin where a major high strain zone is recognized. This response correlates to a high Ni value and is suggestive of an ultramafic affiliation. This same affiliation is demonstrated at site 259 where a 100th percentile of 38 ppb is documented. The highest Ni response in the 1999 survey was documented from this site. A third single sample 100th percentile response occurs at site 9 in the northeast of the survey area. This site has a value of 59 ppb and is just west of a 99th percentile response of 37 ppb at site 21. Site 21 is associated with a linear band of felsic volcanic rocks that is marked by multiple base metal responses.

Mo: The area northeast of the Magill Lake intrusion is marked by two 99th percentile responses of 48 ppb (site 285) and 44 ppb at site 319 as well as three 98th percentile responses of 20-21 ppb. An isolated 99th percentile response occurs at site 342 (62 ppb). In the northern half of the sampling area single site 100th percentiles are documented from three widely spaced sites. These are sites 146 (134 ppb), 147 (69 ppb) and 99 (398 ppb).

Bi: The presence of high Bi responses in proximity to the Magill Lake pluton mimics the results for Mo. There are 100th percentile responses at sites 275 (14 ppb) and 319 (12 ppb) as well as three 98th percentiles of 8 ppb (site 287), 9 ppb (site 274) and 10 ppb (site 319). A second cluster of anomalous sites occurs northwest of the Magill Lake intrusion at sites 342 (100th percentile, 35 ppb), 343 and 344 (99th percentiles, 11 and 12 ppb, respectively) and sites 328 and 346 (98th percentiles, both 8 ppb). It is interesting that the higher Bi responses are in the sedimentary-rock dominated southern half of the 1999 survey area. The most significant grouping of somewhat elevated Bi responses in the northern half of the southern Knee Lake Belt occurs east and south of Cinder Lake.

In: Indium responses are extremely low and are described here for sake of completeness. The 100th percentiles for the 1999 survey area occur west of the west end of Knee Lake at sites 98 (1.0 ppb) and 102 (0.6 ppb). A third 100th percentile occurs at site 275 (0.8 ppb) east of the Magill Lake intrusion.

W: Tungsten responses throughout the 1999 survey area are of low contrast and occur as scattered single site anomalies. The 100th percentiles occur at sites 89 (8 ppb), 338 (8 ppb) and 342 (12 ppb).

Lithophile elements

Li: The southern Knee Lake Belt is marked by widely spaced single site anomalous responses. The 100th percentile responses occur at sites 103, 143 and 285. Lithium values at these sites range from 87-116 ppb. A weakly developed northwest trending Li anomaly appears to be developed over a distance of approximately 15 km in the center of the survey area. This zone is characterized by 95th-90th percentile responses with two 99th percentile responses at sites 66 (75 ppb) and 294 (78 ppb). There is no indication of deflection of drainage patterns in the area of this response and an absence of airomagnetic trends to confirm the presence of a structure in this area.

Mn: The results for Mn in the 1999 survey area are characterized by scattered single site responses. The 100th percentiles occur at site 261 (4688 ppb) near a high strain zone at the southern boundary of the belt, site 259 (2864 ppb) south of Knee Lake and at site 9 (2766 ppb) south of Cinder Lake. The SKSZ is marked by a single 99th percentile at site 293 (2727 ppb) and a single 99th percentile occurs near the northern belt boundary at site 100 (2238 ppb).

Rb: A multisample cluster of 100th–95th percentile responses characterizes the northwest corner of the 1999 survey area. The 100th percentile response of 145 ppb occurs at site 96 and is associated with a 99th percentile response of 95 ppb at site 93 and three 95th percentiles (48-66 ppb). A significant Rb anomaly is developed in approximately the same location as the 15 km long north-northwest-trending Li anomaly. The Rb response appears strongest over an east-west-trending band of felsic volcanic rocks where 100th percentiles of 109 ppb (site 80) and 123 ppb (site 66) and a 99th percentile of 97 ppb (site 65) are observed. Highest Rb responses are observed in the northern, volcanic-rock-dominated half of the 1999 survey area.

Sr: A cluster of one 99th percentile (site 122, 513 ppb) and three 98th percentile responses (sites 132, 133 and 137, 498 ppb, 490 ppb and 480 ppb, respectively) occur at the western edge of the survey area near Oxford Lake. The SKSZ is marked by a 100th percentile response of 962 ppb at site 293 and an adjacent 98th percentile of 491 ppb at site 295. Isolated 100th percentiles occur at sites 285 (831 ppb) and 342 (872 ppb).

Cs: Low concentration levels for Cs are reported for the Knee Lake Belt although the results essentially mimic those for Li and Rb. A five site anomaly is documented from the northwestern survey area where a 100th percentile response of 5 ppb occurs at site 96 in association with two 98th percentiles (sites 89 and 93, 3 and 4 ppb, respectively) and two 95th percentiles of 1.7-2.6 ppb at sites 96 and 97. A north-northwest-trending low contrast Cs anomaly occurs in the same location in the belt as the Li and Rb 15 km long trend. The Cs anomaly comprises a 100th percentile response of 6 ppb at site 66, two 99th percentiles of 4 ppb at sites 65 and 80 and multiple 95th percentile responses. A third anomalous Cs trend occurs east and west of the south end of Cinder Lake. At this locality the anomaly has the form of a single 100th percentile response of 5 ppb at site 56, a 99th percentile at site 62 (4 ppb) and two 98th percentiles at sites 54 and 58 (both 3 ppb). This trend appears to be localized at the northern belt margin.

Ba: High contrast single site as well as multisample anomalies are present in the Knee Lake Belt. The Ba responses mimic, for the most part the Li, Rb and Cs responses but also define the SKSZ along the southern margin of Knee Lake. The northwestern corner of the survey area is marked by a single 100th percentile of 687 ppb at site 96 and a 98th percentile of 440 ppb at site 93. A low contrast response is documented at the southwest corner of the survey area where two 98th percentiles of 346 and 356 ppb at sites 233 and 235 are present. A 99th percentile (532 ppb at site 65) and two 98th percentile responses (424 ppb and 394 ppb) at sites 66 and 80, respectively define a weakly linear north-northwest geochemical trend. The Ba results do not define this trend as well as Li, Rb and Cs. The SKSZ is marked by one 100th percentile at site 293 (733 ppb) and a 99th percentile of 497 ppb at site 308. An isolated 100th percentile Ba response occurs at site 342 (604 ppb) and a 99th percentile at site 56 (468 ppb).

High field strength elements

Ti: The titanium results from the 1999 survey area have strikingly similar patterns and trends as the data for Li, Rb, Cs and to a lesser extent Ba. The three main responses include a three site anomaly in the northwest corner of the survey area that comprises a 100th percentile at site 96 (5484 ppb), a 99th percentile at site 93 (2622 ppb) and a 98th percentile at site 89 (2597 ppb). The second anomalous trend is an approximate 15 km long zone of elevated Ti values that trends west-northwest and is best developed in terms of contrast over an east-west-trending band of felsic volcanic rocks.

Over this lithology there are 100th percentiles for sites 80 (3294 ppb) and site 65 (3293 ppb) and a 99th percentile at site 66 (3246 ppb). The third anomalous geochemical trend is spatially associated with the northern belt margin and is an east-west zone of three 98th percentiles (2096-2598 ppb at sites 54, 58 and 62). An isolated 99th percentile occurs at site 56 (2937 ppb) east of Cinder Lake.

Y: High Y responses occur within the SKSZ at sites 201and 294 (100th percentiles, 124 ppb and 153 ppb, respectively) and a 99th percentile at site 250 (107 ppb). A four site cluster comprising two 98th percentiles (80-105 ppb) and a 95 percentile (72 ppb) is developed near the southern belt maragin in the southwest portion of the survey area. A single site 100th percentile occurs at site 15 (117 ppb) over a band of felsic volcanic rocks east of Cinder Lake. A 99th percentile occurs further east at site 35 (108 ppb).

Zr: The northwest portion of the survey area is marked by a 100th percentile at site 96, an area previously identified with elevated Ti, Li, Cs, Rb and Ba. The central portion of the survey area is characterized by a high contrast, multisite anomaly comprising 100th percentiles at sites 313 (264 ppb) and 66 (282 ppb) as well as a 99th percentile at site 80 (225 ppb) and 98th percentiles at sites 65, 67, 294 and 306. The trend of this geochemical anomaly is similar to that for Ti, Li, Rb, Cs and Ba.

Nb: Nb responses mimic those of Ti, Zr, Li, Rb, Cs and Ba in that they form an approximate 15 km moderately high contrast anomaly that trends north-northwest from the northern belt margin to the north shore of Knee Lake. This trend comprises 100th through 90th percentile responses and is best developed at sites 65 (13 ppb, 100th percentile), 66 (14 ppb, 100th percentile), 80 (13 ppb, 100th percentile) and 67 (9 ppb, 98th percentile). The northern belt margin is marked by three moderately elevated 98th percentiles (8-11 ppb) at sites 54, 58 and 62. Isolated single site anomalies occur at sites 56 (12 ppb) and 342 (11 ppb).

Hf: Low contrast Hf responses were obtained from the 1999 survey area. Two 100th percentile responses (site 66 and 313, both 5 ppb), one 99th percentile at site 80 (4 ppb) and two 98th percentiles at sites 65 and 306 (both 3 ppb) define a northwest-trending linear geochemical response in the center of the area. An isolated 100th percentile of 5 ppb occurs at the eastern edge of the Magill Lake intrusion. A single site 99th percentile response occurs in the northwest portion of the survey area at site 96 (4 ppb).

Rare earth elements

TREE: The rare earth element signatures of the southern Knee Lake Belt are expressed and interpreted on the basis of 'TREE' or the total of all rare earth elements. Elevated TREE responses are noted from sites 294 (100th percentile), 201 and 250 (99th percentiles) along the SKSZ. Away from this high strain zone there are single isolated 100th percentile responses at site 234 near the high strain zone that marks the southern belt boundary and at site 15 over a belt of felsic volcanic rocks east of Cinder Lake.

Elements determined by ICP-AES on the enzyme leachate

Al: The highest Al values obtained in the 1999 survey area are confined to the volcanic-rock dominated geological terrain in the northern half of the survey area. In this area anomalies are defined in the northwest corner on the basis of a cluster of one 98th percentile at site 89 (33.8 ppm) and four accompanying 95th percentile responses. A multisite anomaly is developed in the central portion of the survey area with a possible extent of 15 km from the northern belt margin to the north shore of Knee Lake. This anomaly comprises two 100th percentiles at sites 65 (46.7 ppm) and 66 (44.3 ppm), two 99th percentiles at sites 64 (37.8 ppm) and 80 (35 ppm) and multiple 98th percentiles. Isolated 99th percentile responses are noted at sites 71 (44 ppm) and 56 (41.8 ppm).

Ca: There appears to be a preponderance of higher Ca responses in the northwest portion of the survey area. This pattern commences just west of the west end of Knee Lake and continues to the western limit of sampling. The responses comprise 100th-95th

percentiles. Isolated 100th percentiles also occur along the south shore of Knee Lake within the SKSZ (site 293, 1365 ppm) and at site 10 (702 ppm).

Fe: The distribution of anomalous Fe mimics numerous other element patterns such as Li, Rb, Cs, Ti and Zr. A cluster of 98th-95th percentiles occurs in the northwest corner of the survey area close to the northern boundary of the belt. The central portion of the survey area is marked by significant geochemical relief in the form of multiple 100th-98th percentiles that are associated with an east trending layer of felsic volcanic rocks. Elevated Fe responses are also present south and west of Cinder Lake near the northern belt boundary and east of Cinder Lake in association with two felsic volcanic sequences.

Na: The Na responses in the 1999 survey area are diffuse with scattered higher analyses in and around the SKSZ. The responses tend to be moderate to low contrast. The 100th percentiles occur at site 310 (29 ppm), 285 (53 ppm) and at site 71 (27 ppm).

Mg: Significant Mg responses occur in an area south of Cinder Lake to the shore of Knee Lake where a single 100th percentile response (site 10, 90 ppm) and two 99th percentiles (sites 2 and 30, 85 and 86 ppm, respectively) are documented. A single 100th percentile occurs within the area of the SKSZ on the south shore of Knee Lake (site 293, 219 ppm) and west of the west end of Knee Lake (site 342, 111 ppm).

K: Elevated K responses tend to be present in the western end of the 1999 survey area. Clusters of 99th-95th percentiles form a grouping west of the west end of Knee Lake at sites 222, 131 and 136. Isolated 100th percentile responses occur at sites 95 (32 ppm) and 99 (42 ppm) which are both at or close to the northern boundary of the belt. A single site 99th percentile K response occurs at site 56 (39 ppm) and an isolated single site 100th percentile of 42 ppm occurs at site 285 northeast of the Magill Lake intrusion.

Si: The patterns observed for Si mimic those of Li, Cs, Rb, Ti, Zr, and others. A multisite high contrast anomaly is developed over and in the immediate area of an east-west-trending sequence of felsic volcanic rocks along the north shore of southern Knee Lake. The anomaly comprises two 100th percentile responses at sites 64 (118 ppm) and 66 (124 ppm) and a 99th percentile response at site 65 (109 ppm). These responses are coupled with multiple 98th and 95th percentile responses. Further west in the northwest corner of the survey area a circular anomalous pattern is observed. This anomaly is of lower contrast than that defined in the central portion of the area however it is equally distinct. The response comprises one 99th percentile at site 89 (112 ppm), a 98th percentile at site 97 and three 95th percentile responses at sites 95, 96 and 98. A single 100th percentile (125 ppm) occurs at site 56 east of Cinder Lake. Additionally, a linear response pattern south and west of the south end of Cinder Lake is observed. This response pattern occurs close to the northern margin of the belt.

Mn: The geochemical patterns observed for Mn as determined by ICP-AES are identical to those elucidated with ICP-MS analysis and as such are not discussed further here.

Synthesis

Enzyme leach based b-horizon soil geochemical survey results have effectively delineated multisample and multielement high- to low-contrast anomalies centered on areas of strong geophysical response, structure, unique lithologies and mineralization as well as in areas where outcrop is unavailable owing to surficial deposit cover.

The southern Knee Lake greenstone belt sampled in 1999 is characterized by a northern, volcanic-rock dominated geological environment whereas the southern survey area is predominantly sedimentary rocks. This gross difference in lithology and bulk geochemistry is reflected by numerous elements in the enzyme leach survey. The northern survey area is enriched in the elements Al, Fe, Mg, K, Rb, Cs, Ti, Nb, Hf as well as Pb and Ga whereas Bi,

Mn and Y are higher in sediment dominated terrain. The enzyme leach method has successfully delineated these two different geological environments and offers significant potential for subsurface lithological mapping. Numerous studies have described the successful application of the enzyme leach to problems of mapping subsurface structure and the As results from this year's survey reflect this strength. Multiple, high contrast As responses delineate the major fault and shear zone structures in the southern Knee Lake Belt. Coincident commodity element responses such as Sb, Cu, Cd, Ni and Bi should be followed up along the As trends.

The SKSZ is marked by numerous geochemical responses and may have important metallogenetic implications for mineral exploration. Multiple base and precious metal responses were obtained along this feature as well as elements indicative of structure and alteration. Subsidiary splays from the SKSZ may be inportant exploration targets for gold. Transpressional shear zones are significant in terms of gold mineralization and an example of this type of shear is the Kirkland Lake–Larder Lake–Cadillac Break (Robert, 1989; Robin and Cruden, 1994).

Two distinctive geochemical responses have been delineated in the western survey area. The major geochemical response is an approximately 15 km long, north-northwestern-trending multisite, high contrast, multielement response. This anomaly is developed primarily over an east-west-trending layer of felsic volcanic rocks just north of the northern shoreline of Knee Lake. Geochemical anomalies are developed for Al, Fe, Si, Li, Rb, Cs, Ba, Ti, Zr, Nb, Hf, Pb, Ga, U, Th and Ni. Further west in the northwest corner of the 1999 survey area is a smaller but distinctive multielement and multisite anomaly developed near the northern boundary of the belt. This anomalous response is characterized by exactly the same suite of elements as the anomaly just north of Knee Lake. Both areas warrant ground and airborne geophysical and geochemical follow-up.

The northern belt boundary is marked by subtle yet persistent responses primarily in the Cinder Lake area and west. It is possible that, like the southern belt margin where a major high strain zone is developed, the northern belt boundary is also sheared thereby providing fluid pathways and alteration/mineralization potential.

Diamond drill testing of ground electromagnetic conductors east of Cinder Lake has documented massive sulphide-type mineralization hosted in felsic volcanic rocks. Multiple enzyme leach anomalies delineate the numerous ground EM conductors in this area. Most notable are the results for Pb, Ga, Sb, Cd, Al, Fe, K, Si, Y, Rb, Cs, Ba and specific conductance.

Noteworthy in this survey is the success of the enzyme leach technique at a 1 km sampling scale and the correspondence with rock, humus, vegetation and till geochemical survey results. This co-variability is particularly important since many of the sites sampled in 1999 were in areas of no outcrop. The ability to provide meaningful soil geochemical data that can be integrated with other geochemical, geophysical and geological data provides the mineral explorationist with a valuable tool in the search for buried and/or blind mineralization.

Conclusions

The following conclusions are apparent from the 1999 b-horizon soil geochemical survey based on the enzyme leach process:

1. High contrast multielement and multisite anomalous responses have been delineated in the southern Knee Lake greenstone belt. These base and precious metal responses along with those responses attributable to shear zones should be followed up by prospecting and detailed geophysical and geochemical surveys.

2. The southern Knee Lake greenstone belt is characterized by a northern, volcanic-rock dominated geological environment whereas the southern survey area is predominantly sedimentary rocks. This gross difference in lithology and bulk geochemistry is reflected by numerous major and trace elements in the enzyme leach survey.

3. A properly collected, prepared and analyzed b-horizon soil sample can effectively target base and precious metal anomalies for subsequent follow-up.

4. The significant areal expanses of peat wetlands and till cover in the 1999 multimedia survey does not prohibit the acquisition of meaningful soil geochemical data derived from the enzyme leaching of b-horizon soil samples. Analysis of the enzyme leachate by ICP-AES provides a suite of elements capable of mapping regional trends of alteration.

Appendix B-1

ICP-MS (Enzyme Leach), ICP-OES, H^+ and *K* Analyses.

Sample Site	UTM		S.Q.Li	S.Q.Cl	S.Q.Ti	V	Mn	Co	Ni	Cu	Zn	Ga	As	Br	Rb	Sr	Y	Zr	Nb	Mo
	Easting	Northing	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
99B-1	381338.32	6086855.25	22	1500	312	137	131	3	17	61	57	3.2	21	94	36	189	33	45	1.4	3
99B-2	379928.11	6087059.58	17	1500	111	199	345	3	12	71	106	1.1	35	302	8	333	12	13	0.5	6
99B-3	380864.52	6085155.70	5	1500	193	33	544	3	10	33	85	0.5	17	15	22	271	4	30	0.5	3
99B-4	385575.87	6057998.38	19	1500	169	170	717	11	27	49	73	1.8	27	93	13	212	39	45	0.5	6
99B-5	386340.97	6060776.00	10	4134	368	161	774	15	42	45	78	2.6	25	105	9	182	49	42	1.6	4
99B-6	385118.63	6064597.68	24	1500	190	254	395	10	38	56	56	1.5	26	253	17	186	88	149	2.0	14
99B-7	380012.55	6085720.22	10	7980	274	103	1087	18	33	47	136	2.9	27	124	11	254	44	60	2.0	17
99B-8	381843.70	6085393.08	5	3028	178	65	207	3	15	18	65	0.5	13	111	13	254	16	20	1.2	12
99B-9	381226.37	6084881.63	19	1500	211	101	2766	59	31	36	44	3.0	16	96	22	145	37	108	1.7	8
99B-10	380814.98	6083990.92	5	5144	252	50	1375	16	17	35	55	0.5	17	97	15	364	12	27	1.1	10
99B-11	382124.73	6084199.82	11	6501	152	151	300	5	23	68	49	2.3	31	245	5	331	40	42	1.1	10
99B-12	384139.45	6089907.45	5	6653	311	80	1440	29	27	64	47	2.7	18	75	22	154	96	105	1.8	6
99B-13	385120.09	6089836.36	16	7485	142	120	546	7	24	60	76	0.5	24	68	12	344	27	19	0.5	9
99B-14	386060.67	6089790.62	23	8737	184	154	648	7	27	48	46	2.0	27	128	22	310	28	38	1.0	9
99B-15	385609.68	6088356.80	20	1500	376	138	1053	18	53	83	63	3.2	25	95	8	166	117	100	1.8	5
99B-16	386107.09	6089134.20	5	1500	205	66	526	9	35	50	37	2.1	37	45	3	255	33	25	1.2	8
99B-17	386831.55	6088342.61	5	6390	179	153	921	13	26	85	39	1.9	39	145	9	237	63	49	1.2	9
99B-18	384402.98	6085799.86	19	3916	826	136	752	9	32	52	199	4.3	23	91	43	216	46	134	4.3	8
99B-19	383518.94	6085591.65	23	1500	1647	140	1352	19	40	44	208	8.5	16	60	48	139	17	73	6.3	4
99B-20	385498.35	6085864.44	35	1500	801	337	190	5	29	62	107	4.6	45	134	29	136	30	53	3.4	6
99B-21-1 Field Duplicate	384823.47	6085301.09	20	4697	411	170	1711	37	40	65	49	4.6	28	84	9	151	98	112	1.9	6
99B-21-2 Field Duplicate	384823.47	6085301.09	14	6674	233	141	1428	25	40	65	34	4.1	30	94	8	209	79	91	1.4	8
99B-22	383626.62	6084172.60	25	1500	438	120	1075	11	32	55	97	3.2	28	110	21	145	60	180	2.1	4
99B-23	382797.60	6083251.65	16	8701	215	169	966	10	61	112	127	3.2	40	201	6	399	34	42	1.1	8
99B-24	383922.80	6083064.31	21	1500	687	104	554	9	22	48	64	3.4	17	59	31	125	30	110	2.9	2
99B-25	390069.10	6090107.94	25	1500	623	100	293	6	19	41	229	2.3	14	44	32	102	17	81	2.7	2
99B-26	389273.35	6089551.83	51	4491	508	178	1793	30	72	83	85	3.0	35	72	10	149	90	88	2.8	3
99B-27	388381.58	6088845.50	11	1500	203	48	248	2	10	27	77	0.5	16	15	8	245	11	15	0.5	4
99B-28	391096.14	6090415.34	5	1500	248	52	257	5	11	24	76	1.8	10	71	21	198	17	32	1.4	5
99B-29	390765.20	6089215.18	5	6031	177	90	1244	21	17	92	48	1.2	22	123	2	210	18	13	0.5	9
99B-30	389922.08	6088381.30	5	1500	201	62	167	2	13	38	48	1.3	18	15	7	266	7	21	0.5	2
99B-31	387776.64	6087871.04	14	4345	157	202	905	8	51	110	54	1.2	39	262	7	361	42	37	0.5	8
99B-32	389281.25	6087309.72	5	3599	140	80	833	13	21	93	32	1.2	12	81	15	256	33	16	0.5	6
99B-33	387035.08	6086978.20	37	5731	190	129	244	2	34	47	47	2.2	43	112	3	384	43	50	1.5	5
99B-34	388567.46	6086677.37	5	5506	375	94	511	12	17	34	37	2.8	22	71	2	163	20	20	1.9	6
99B-35	390865.79	6088176.15	23	6345	540	195	2029	29	63	76	50	3.9	32	70	13	183	108	129	2.6	4
99B-36	390299.61	6087715.51	15	4529	210	135	342	4	19	40	55	0.5	23	109	23	771	29	29	1.9	13
99B-38	392410.86	6087648.10	23	1500	693	117	605	16	39	67	67	3.9	19	58	30	134	32	136	3.1	2
99B-39	392898.97	6086971.53	5	7106	201	54	624	8	14	26	111	0.5	23	41	12	213	19	18	0.5	5
99B-40	392559.91	6086340.04	5	1500	191	22	406	3	8	24	63	0.5	12	15	9	259	7	16	0.5	5
99B-41-1 Field Duplicate	391167.56	6086589.75	15	1500	201	139	250	5	23	43	52	0.5	22	85	10	186	39	83	1.8	2
99B-41-2 Field Duplicate	391167.56	6086589.75	15	1500	245	155	248	6	28	44	40	0.5	25	107	12	208	42	109	2.2	3

Sample Site	UTM		S.Q.Li	S.Q.Cl	S.Q.Ti	V	Mn	Co	Ni	Cu	Zn	Ga	As	Br	Rb	Sr	Y	Zr	Nb	Mo
	Easting	Northing	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
99B-42	391238.39	6085940.29	14	1500	337	63	303	6	16	37	62	0.5	22	84	25	149	28	143	1.9	5
99B-43	389804.68	6084999.49	5	1500	372	34	683	9	9	31	29	2.9	12	75	37	88	35	91	1.6	3
99B-44	389261.00	6083667.72	22	7264	169	133	532	7	26	41	25	3.3	24	128	13	281	46	44	0.5	3
99B-45	386653.33	6084343.11	5	1500	167	65	901	11	18	32	32	1.2	14	34	5	267	27	35	0.5	8
99B-46	385883.41	6083393.71	5	1500	187	30	186	3	6	13	20	0.5	7	15	5	160	11	13	0.5	3
99B-47	384919.22	6082875.51	30	1500	162	165	1474	14	46	132	26	0.5	30	65	16	327	27	49	0.5	3
99B-48	383904.64	6082648.05	41	1500	920	146	404	8	38	73	67	5.6	25	200	45	159	53	154	4.2	2
99B-49	388981.01	6090705.90	5	1500	218	63	675	21	29	42	32	1.5	42	38	8	212	28	37	1.2	4
99B-50	387427.39	6090166.15	10	1500	127	89	1438	11	22	39	20	2.1	26	69	13	286	40	34	0.5	17
99B-51	385816.88	6087616.81	5	7195	235	14	33	7	9	36	68	1.6	7	61	21	54	8	18	1.2	7
99B-52	382575.20	6088407.01	15	4161	775	44	212	6	23	28	170	5.4	11	197	26	101	14	32	3.2	8
99B-53	381611.17	6087984.39	13	6125	487	44	269	5	18	25	33	4.2	14	70	22	172	17	66	2.1	9
99B-54	380446.70	6088630.40	51	1500	2156	85	450	11	65	68	75	12.4	18	45	70	72	72	176	9.2	5
99B-55	384763.43	6089168.41	20	4237	1107	51	309	9	34	46	50	7.1	16	85	42	152	26	73	5.1	11
99B-56	384593.57	6087985.36	56	3163	2937	134	352	11	65	82	98	15.9	35	79	88	243	30	138	11.6	11
99B-57	380747.02	6088073.86	31	4454	1755	71	262	8	44	74	93	9.0	20	134	47	134	31	92	7.0	8
99B-58	379201.36	6089481.35	41	3494	2591	84	405	9	57	65	74	11.9	18	70	71	69	32	168	11.2	4
99B-59	376870.52	6089445.37	18	6791	875	52	181	4	22	41	58	4.9	16	37	33	124	22	74	3.6	3
99B-62	374649.11	6089718.54	43	1500	2356	85	306	9	52	50	75	14.1	18	66	81	130	36	124	9.8	4
99B-63	371851.38	6084985.15	26	5517	1313	68	245	8	44	48	75	9.9	19	107	56	131	33	97	5.6	5
99B-64	370818.75	6084894.62	51	4343	2093	104	322	9	57	88	65	13.3	25	157	71	190	35	130	8.5	10
99B-65	371421.23	6083690.52	53	7107	3293	137	784	27	87	70	87	17.6	39	222	97	172	54	180	13.2	12
99B-66	370239.75	6083375.40	75	1500	3246	128	413	13	78	75	100	19.1	20	102	123	151	54	282	14.2	7
99B-67	369512.90	6082951.85	43	6765	2140	90	230	7	46	64	58	12.2	25	309	69	199	36	177	9.3	7
99B-68	378482.32	6086547.36	28	5084	1546	73	358	10	43	40	51	9.4	18	105	49	135	24	77	5.7	5
99B-69	378901.57	6085104.21	14	1500	645	35	115	4	16	24	38	5.7	7	65	24	87	16	39	2.7	3
99B-70-1 Field Duplicate	377176.25	6084802.55	21	6024	1307	67	424	11	47	51	43	8.2	18	187	34	105	51	119	5.7	6
99B-70-2 Field Duplicate	377176.25	6084802.55	43	7101	3074	125	567	16	82	86	78	14.5	25	127	61	104	86	287	13.4	6
99B-71	375594.28	6084702.04	47	3925	2090	111	269	8	54	59	56	12.7	32	182	71	279	60	183	8.3	9
99B-72	370123.86	6085972.41	38	5097	2572	83	366	10	56	51	80	13.6	15	136	79	105	29	114	10.3	4
99B-73	370656.16	6087109.32	21	5176	981	51	137	4	28	34	57	6.9	18	286	38	100	21	65	4.4	6
99B-74	368347.58	6082970.14	42	4962	1747	88	324	8	58	97	67	11.5	28	107	58	224	31	116	6.9	8
99B-75	367566.14	6083452.59	31	6061	1127	113	245	8	32	65	50	8.0	23	121	48	212	18	78	4.7	6
99B-76	366875.73	6082011.38	35	4799	1535	103	482	12	65	104	63	11.5	27	155	48	266	66	147	6.1	7
99B-77	366237.10	6081599.59	34	4871	1640	89	370	8	55	82	50	10.1	25	113	55	209	45	122	6.6	6
99B-78	368777.48	6081793.37	5	3913	50	20	259	5	11	24	19	3.0	13	111	3	144	23	25	0.5	5
99B-79	369918.79	6081283.90	20	5260	1101	59	192	6	29	37	46	7.6	15	167	45	122	25	88	4.5	8
99B-80	371536.33	6081711.47	72	4424	3294	156	776	22	82	76	89	15.8	30	182	109	168	31	225	12.7	6
99B-81	370746.10	6087688.00	5	6077	117	13	600	9	9	18	28	1.2	21	57	6	162	6	22	0.5	3
99B-82-1 Field Duplicate	372516.50	6088851.06	22	4477	641	26	323	5	14	21	56	3.1	14	15	27	144	8	23	2.4	3
99B-82-2 Field Duplicate	372516.50	6088851.06	22	5492	602	28	185	3	14	24	31	4.2	15	15	29	108	9	21	2.1	4
99B-83	372026.99	6090288.56	5	4746	177	21	274	5	10	24	29	0.5	9	15	9	90	13	18	0.5	1
99B-84	370517.90	6089778.24	23	7646	656	29	319	5	19	20	40	5.8	13	15	34	143	6	22	2.6	4
99B-85	370224.45	6088963.94	12	5420	458	25	115	3	10	18	49	2.4	7	15	18	83	7	14	1.3	2
99B-86	370086.72	6088310.03	20	1500	873	136	451	7	24	26	84	5.4	18	145	48	241	25	55	4.5	11
99B-87	365628.38	6087349.81	31	1500	1690	87	192	8	42	48	51	10.0	19	423	51	161	26	76	7.2	5
99B-88	366652.68	6088345.47	42	1500	2166	86	251	10	56	65	60	10.3	27	68	61	81	46	110	8.3	3
99B-89	359762.87	6089860.45	42	3464	2597	96	260	8	61	81	63	12.0	24	104	66	182	46	128	10.4	5
99B-90	360419.16	6090713.89	5	1500	50	20	193	5	12	22	40	1.4	10	37	5	134	11	16	0.5	2

Sample Site	UTM		S.Q.Li	S.Q.Cl	S.Q.Ti	V	Mn	Co	Ni	Cu	Zn	Ga	As	Br	Rb	Sr	Y	Zr	Nb	Mo
	Easting	Northing	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
99B-91	367854.62	6089411.77	14	4906	919	50	519	9	28	27	55	6.3	10	138	24	83	30	53	3.8	3
99B-93	360817.18	6089935.46	57	1500	2622	111	671	17	80	83	95	14.4	27	108	95	149	53	165	10.9	3
99B-94	361334.61	6088793.40	5	1500	441	22	202	8	13	19	49	2.8	8	57	26	61	32	55	2.1	1
99B-95	359548.28	6088342.12	30	4417	1275	77	361	9	41	70	64	11.4	21	104	58	206	45	87	5.3	5
99B-96	360462.48	6087420.55	64	6609	5484	138	1125	28	91	59	102	22.4	24	61	145	173	35	294	18.4	2
99B-97	361670.11	6088011.47	30	1500	1305	79	358	10	49	62	43	9.5	21	148	54	192	34	113	5.5	6
99B-98	360997.64	6086474.25	16	6722	160	124	1851	15	41	66	41	3.1	27	345	10	288	18	19	1.7	20
99B-99	366531.44	6089734.77	74	6354	126	259	542	3	22	46	15	0.5	33	63	13	399	9	13	1.2	398
99B-100	365660.55	6089907.35	22	1500	50	10	2238	15	7	21	56	1.1	3	15	47	72	5	6	0.5	12
99B-101-1 Field Duplicate	364004.46	6090265.61	5	4088	349	99	572	13	15	26	39	1.9	12	57	9	106	18	31	1.6	9
99B-101-2 Field Duplicate	364004.46	6090265.61	11	6191	208	99	572	10	19	29	40	2.2	17	65	5	250	22	15	1.1	11
99B-102	365042.73	6085719.91	12	8944	181	108	1456	9	33	69	24	0.5	19	214	4	298	23	13	0.5	14
99B-103	363623.14	6086658.21	87	3934	459	135	1474	28	42	64	53	2.2	34	106	27	208	52	115	2.6	8
99B-104	365252.32	6088140.42	14	4976	195	119	1414	7	36	59	33	1.5	17	76	9	283	15	15	1.0	13
99B-105	369243.39	6088065.28	66	1500	182	155	408	5	18	38	29	1.7	23	45	19	467	7	8	0.5	16
99B-106	369259.00	6087478.80	5	3486	162	89	461	4	9	33	24	1.0	16	128	30	246	15	12	0.5	8
99B-107	367342.33	6086563.25	22	1500	160	113	267	3	9	35	19	0.5	22	273	7	282	6	10	0.5	5
99B-108	366150.70	6085252.06	14	1500	240	34	720	6	17	26	36	1.3	15	15	10	253	5	8	1.1	4
99B-109	368585.13	6084340.09	28	1500	142	186	745	6	23	53	21	2.4	29	72	14	320	15	16	0.5	8
99B-110	365361.78	6084343.39	28	1500	157	200	533	5	18	51	33	2.0	30	44	11	422	8	14	0.5	6
99B-111	371414.93	6082844.68	5	1500	196	32	354	2	15	35	47	0.5	12	15	10	202	6	11	0.5	4
99B-112	373206.39	6082560.89	5	3729	115	115	802	4	21	68	30	0.5	18	48	14	327	10	13	0.5	8
99B-113	374372.83	6082434.83	21	3678	141	97	363	4	23	59	71	1.2	24	40	14	314	16	20	0.5	6
99B-114	375612.85	6082701.79	41	4515	149	159	414	5	25	57	43	1.9	28	81	11	427	32	30	1.1	10
99B-115	376837.58	6083283.99	13	1500	248	67	350	3	12	33	49	0.5	16	15	14	234	8	20	0.5	12
99B-116	376836.61	6082259.30	5	1500	175	84	1009	10	26	44	33	0.5	18	174	8	180	20	18	0.5	8
99B-117	377727.45	6082617.72	5	6144	162	92	1619	12	44	67	68	2.0	18	158	6	244	25	18	0.5	7
99B-118	380435.24	6082526.84	39	6794	339	158	1421	27	37	66	50	1.7	25	84	19	162	37	64	1.7	4
99B-119	382085.70	6083046.21	62	1500	882	110	953	14	33	31	70	4.5	19	15	45	122	17	51	3.8	1
99B-120	356959.53	6089846.66	17	9357	162	203	773	10	35	78	30	3.5	49	117	20	358	36	31	1.2	9
99B-121	356420.52	6088346.81	18	8293	213	181	1725	17	48	60	30	1.6	33	121	17	238	53	53	1.1	10
99B-122	355531.65	6086917.04	41	1500	110	165	756	5	25	51	16	1.6	31	67	18	513	11	12	0.5	15
99B-123	357174.69	6086097.90	21	3499	125	168	834	6	32	76	56	1.3	24	92	14	382	18	15	0.5	9
99B-124-1 Field Duplicate	362147.22	6090729.66	16	1500	136	106	873	9	14	43	30	0.5	23	323	13	409	12	15	0.5	7
99B-124-2 Field Duplicate	362147.22	6090729.66	12	4135	142	107	562	5	15	50	36	1.7	23	560	17	327	12	14	0.5	9
99B-125	362574.30	6088793.60	5	1500	158	55	482	5	13	34	15	0.5	24	131	8	275	8	9	0.5	4
99B-126	359632.73	6085112.70	16	1500	117	112	821	8	19	65	17	2.5	23	420	11	332	10	11	0.5	8
99B-127	359088.91	6087067.02	18	1500	138	160	566	4	13	42	15	1.4	29	58	12	333	8	11	0.5	5
99B-129	354975.32	6089429.73	5	5936	148	126	555	6	23	71	27	2.2	27	78	12	351	20	20	0.5	11
99B-131	356359.18	6084946.56	30	1500	134	196	493	4	23	77	238	1.0	32	71	11	321	11	17	0.5	4
99B-132	352858.25	6086503.69	39	1500	163	194	726	3	24	73	23	1.3	32	32	16	498	8	13	0.5	10
99B-133	350961.55	6085671.72	55	3155	197	167	1467	13	45	84	74	1.6	20	32	23	490	16	27	1.3	10
99B-134	353845.36	6085793.03	11	1500	109	133	1252	8	42	89	12	3.2	25	370	12	345	20	20	0.5	11
99B-135	354883.31	6084079.64	13	1500	142	140	249	2	13	53	20	1.8	26	82	9	382	13	15	0.5	12
99B-136	349567.90	6083833.12	5	1500	126	70	609	5	14	34	12	0.5	18	63	21	293	14	16	0.5	7
99B-137	351850.75	6084320.15	32	1500	150	268	372	4	35	48	19	2.2	30	100	20	480	16	22	0.5	8
99B-138	352071.35	6085574.59	46	1500	169	247	480	3	18	51	37	0.5	33	15	17	401	10	12	0.5	7
99B-139	357564.78	6084160.24	11	1500	119	103	919	9	19	78	31	1.5	37	272	12	349	19	22	0.5	10
99B-140	363864.01	6082169.82	10	1500	130	79	442	4	12	32	55	0.5	14	335	12	267	10	12	0.5	7

Sample Site	UTM		S.Q.Li	S.Q.Cl	S.Q.Ti	V	Mn	Co	Ni	Cu	Zn	Ga	As	Br	Rb	Sr	Y	Zr	Nb	Mo
	Easting	Northing	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
99B-141-1 Field Duplicate	362142.99	6084076.48	29	1500	473	229	1610	25	37	57	38	3.0	23	176	15	136	38	43	2.3	3
99B-141-2 Field Duplicate	362142.99	6084076.48	31	1500	297	170	1582	24	21	43	35	0.5	18	143	12	120	31	42	1.3	2
99B-142	361255.11	6081288.51	5	4475	164	111	691	6	21	58	28	1.8	23	58	15	409	27	31	1.1	11
99B-143	362408.96	6082666.92	88	12129	1107	326	401	9	55	72	164	7.5	37	128	36	328	46	70	4.8	18
99B-144	365789.89	6083994.83	45	5078	167	192	927	6	28	41	173	0.5	25	45	13	421	8	13	1.3	18
99B-145	365012.13	6082425.90	5	4975	185	119	1023	2	9	92	50	1.3	19	15	7	263	5	8	1.0	15
99B-146	388300.25	6089844.48	67	1500	247	297	400	4	20	55	55	2.7	30	15	27	502	6	12	1.4	134
99B-147	382347.59	6086399.71	18	1500	281	69	287	3	9	34	77	3.0	15	48	16	238	8	14	1.1	69
99B-148	373091.61	6084449.15	25	6360	151	118	296	3	11	36	235	2.0	20	134	14	269	7	11	0.5	12
99B-149	370525.75	6084197.53	19	3995	209	76	587	5	12	30	115	2.0	18	67	8	241	6	11	0.5	8
99B-150	378340.48	6088920.71	5	6359	331	72	312	6	12	29	158	2.7	13	45	10	153	23	32	1.3	6
99B-151-1 Field Duplicate	379171.14	6087918.37	13	7163	153	162	1198	10	25	73	68	0.5	26	317	10	355	20	15	1.5	15
99B-151-2 Field Duplicate	379171.14	6087918.37	22	1500	193	41	456	3	10	24	202	1.6	10	15	14	233	5	8	0.5	10
99B-152	375414.93	6088856.96	14	6606	446	123	287	3	22	37	93	3.1	22	48	21	255	37	46	2.0	6
99B-153	375984.68	6087777.88	79	12033	190	545	465	5	29	173	125	1.9	35	33	29	460	25	37	1.9	16
99B-154	376668.36	6087121.26	21	1500	329	68	252	3	9	34	52	2.1	18	30	21	293	6	14	1.1	5
99B-155	375877.60	6086516.58	5	3533	301	51	276	4	7	23	385	1.6	12	54	14	210	7	16	0.5	3
99B-156	373995.52	6086125.05	10	1500	202	38	412	3	10	34	171	1.0	17	54	13	207	5	21	0.5	3
99B-157	372027.71	6087027.04	5	4017	191	27	378	3	8	35	275	1.3	11	69	11	222	5	8	0.5	3
99B-201	371334.99	6079065.23	17	7734	729	129	1443	23	37	62	84	6.2	24	83	15	148	124	127	3.0	5
99B-202	370612.18	6078749.88	19	5935	387	119	1015	17	17	32	138	1.9	18	323	19	117	30	58	1.8	5
99B-203	369733.49	6079116.31	39	4276	145	194	661	7	33	63	147	0.5	31	93	12	374	11	15	0.5	7
99B-204	368745.75	6078704.52	25	5933	210	98	677	5	15	28	106	0.5	22	38	21	153	13	26	0.5	5
99B-205	367736.72	6078107.25	34	3539	137	272	262	2	16	64	116	0.5	37	93	14	335	14	20	0.5	7
99B-206	366185.42	6077629.58	29	8417	136	150	441	6	26	68	228	2.4	28	122	15	386	20	24	0.5	9
99B-207	370205.14	6080422.95	5	4000	322	58	624	9	19	30	112	1.9	14	59	9	132	31	38	1.3	6
99B-208	365599.84	6076900.47	34	9836	279	137	720	11	47	59	476	4.2	31	121	17	191	37	57	1.5	5
99B-209	367275.47	6079004.52	44	7993	232	206	1926	23	76	75	263	2.0	36	95	6	270	52	37	1.3	7
99B-210	367991.68	6079460.20	15	8701	259	152	1476	13	32	54	319	1.7	28	57	12	280	23	32	1.2	8
99B-211	368856.57	6080449.74	24	7586	292	164	831	11	31	59	180	1.8	26	94	16	290	36	43	1.2	10
99B-212	367569.80	6080402.33	45	4443	193	163	253	3	17	52	186	2.2	27	96	15	494	16	24	0.5	7
99B-213	365183.13	6079542.10	59	5780	475	133	1328	16	38	49	230	3.2	21	75	37	162	26	60	2.4	3
99B-214	360603.87	6076390.98	27	1500	134	144	574	5	15	39	132	1.9	24	57	12	321	10	14	0.5	12
99B-215	360976.40	6074963.41	12	1500	309	35	1128	7	18	71	161	2.8	31	15	22	230	6	23	0.5	2
99B-216	360316.32	6077803.64	34	4321	318	116	429	9	28	50	156	1.6	26	73	22	214	21	44	1.6	2
99B-217	359631.41	6079022.59	41	5866	930	221	939	18	38	57	197	6.0	26	188	40	160	27	62	4.3	5
99B-218	363444.79	6074383.10	12	1500	260	35	394	3	12	32	170	1.6	17	15	9	219	7	18	0.5	3
99B-219-1 Field Duplicate	367825.77	6068425.98	16	1500	565	72	982	9	21	30	91	3.1	18	79	29	148	17	49	2.1	6
99B-219-2 Field Duplicate	367825.77	6068425.98	15	5471	419	73	1088	10	22	27	74	1.7	17	110	25	177	22	49	1.9	5
99B-220	368431.98	6067452.60	50	14023	316	246	1671	25	62	84	261	2.3	40	122	19	245	88	88	2.0	5
99B-221	360246.41	6081552.52	25	5556	104	171	370	5	15	79	48	2.2	30	45	13	476	15	17	0.5	8
99B-222	356447.39	6083211.54	42	1500	132	197	400	4	15	39	62	1.1	21	76	18	339	6	11	0.5	9
99B-223	355505.67	6083205.01	31	1500	984	94	884	14	30	47	63	6.6	19	50	44	130	19	76	4.3	1
99B-224	350117.78	6081716.84	5	1500	213	121	1004	15	15	36	73	1.5	18	68	15	184	12	27	1.0	4
99B-225	350702.40	6083206.61	57	1500	204	183	1191	5	25	53	74	1.1	20	31	17	282	6	13	0.5	41
99B-226	354277.47	6083205.79	5	1500	153	90	866	7	22	48	451	1.2	16	130	5	277	20	21	0.5	5
99B-227	355381.59	6075600.60	5	1500	192	22	862	12	7	18	239	1.7	7	15	16	90	14	16	0.5	1
99B-228	353986.25	6074843.74	35	1500	233	80	238	5	22	36	42	0.5	17	186	16	145	35	76	1.3	2
99B-229	353511.14	6076295.59	47	4645	151	131	99	1	10	31	21	2.3	23	97	10	724	16	22	0.5	15

Sample Site	UTM		S.Q.Li	S.Q.Cl	S.Q.Ti	V	Mn	Co	Ni	Cu	Zn	Ga	As	Br	Rb	Sr	Y	Zr	Nb	Mo
	Easting	Northing	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
99B-230-1 Field Duplicate	355405.44	6076684.24	35	4709	886	167	936	16	34	25	79	7.1	19	96	33	177	30	82	4.3	19
99B-230-2 Field Duplicate	355405.44	6076684.24	45	5743	673	213	1681	22	50	43	60	3.3	27	101	24	184	60	99	3.2	19
99B-231	352016.78	6076101.86	68	1500	1047	166	372	9	29	49	94	5.8	21	58	44	159	24	57	4.6	13
99B-232	353290.64	6078687.59	20	6865	201	192	1203	10	35	74	84	2.4	23	56	10	290	19	25	1.2	13
99B-233	353080.39	6072997.78	18	3332	741	107	1940	27	34	71	94	5.6	18	97	17	171	98	79	3.4	10
99B-234	352085.67	6071913.45	15	1500	305	43	1475	14	17	30	31	2.9	17	66	29	110	105	124	1.8	5
99B-235	352971.33	6071021.91	51	6497	559	214	1899	26	65	67	101	3.2	28	64	13	224	72	61	2.5	11
99B-236	375222.72	6068829.48	29	3210	1751	256	471	14	37	52	140	10.8	23	78	42	229	32	85	7.4	7
99B-237	373322.15	6067669.32	19	4845	142	124	648	4	20	65	78	0.5	21	115	10	388	10	11	0.5	11
99B-238	372452.18	6069244.38	37	5309	161	151	1011	8	49	94	123	0.5	23	765	10	384	14	13	0.5	9
99B-239	368922.50	6069508.74	20	8021	175	179	778	7	49	99	58	0.5	47	126	19	332	19	14	0.5	11
99B-240	370909.02	6070515.51	16	1500	212	109	519	4	17	44	44	0.5	22	48	16	252	11	17	0.5	8
99B-241	372758.61	6071129.61	23	3510	309	170	1406	14	31	50	53	1.9	16	68	11	157	27	33	1.2	7
99B-242	370633.94	6066046.81	38	1500	798	102	691	15	34	56	162	4.4	21	51	37	125	34	143	3.8	3
99B-243	373883.08	6066058.33	51	8258	574	247	856	15	44	72	206	3.7	33	102	22	197	59	68	2.5	7
99B-244	374717.33	6075559.23	23	3340	116	171	1097	10	34	78	48	2.5	21	356	12	329	20	21	0.5	15
99B-245	373013.86	6074903.92	25	5191	280	199	548	9	26	58	54	1.8	26	327	17	341	20	29	1.0	8
99B-246	375209.93	6072610.07	24	6029	282	212	267	7	36	60	287	1.7	24	142	16	208	54	45	1.3	5
99B-247	367223.27	6077159.70	67	5020	467	204	510	11	46	102	62	4.2	34	145	23	163	105	157	2.8	3
99B-248-1 Field Duplicate	363998.87	6080166.06	34	4856	146	175	750	9	19	81	223	0.5	26	150	17	403	17	20	0.5	7
99B-248-2 Field Duplicate	363998.87	6080166.06	30	1500	146	82	666	6	11	69	204	1.7	16	85	13	329	9	12	0.5	5
99B-249	366434.90	6080165.02	15	8059	122	170	735	8	37	89	102	1.3	36	131	11	451	42	40	0.5	9
99B-250	365625.09	6080983.27	61	1500	251	217	941	17	74	120	101	2.8	34	163	17	167	107	170	1.8	3
99B-251	369454.61	6077674.80	33	1500	233	246	1095	17	64	89	71	2.0	53	177	8	245	93	103	1.5	4
99B-252	370212.70	6077226.07	44	1500	188	256	327	6	30	93	149	1.9	34	184	15	347	24	30	1.2	9
99B-253	369727.62	6076391.19	18	1500	132	57	777	8	15	28	51	0.5	17	49	14	144	15	22	0.5	3
99B-254	369294.01	6075027.52	43	9188	160	172	605	6	47	73	197	1.9	35	102	15	390	46	54	1.1	6
99B-255	369082.74	6074188.19	72	1500	1245	154	327	8	44	93	75	5.3	28	118	51	167	39	256	6.4	2
99B-256	372073.59	6075860.94	33	7596	178	237	1565	10	56	131	67	1.7	29	244	13	445	23	39	0.5	8
99B-257	370578.92	6075052.05	60	4898	820	269	1883	25	46	80	58	4.8	27	121	25	171	47	64	3.0	3
99B-258	368572.08	6072950.08	28	7911	171	187	1086	10	53	111	49	0.5	36	111	9	418	37	34	0.5	8
99B-259	367901.42	6074827.37	59	5231	244	283	2864	38	91	113	127	3.2	39	178	14	267	64	62	1.5	5
99B-260	359223.52	6069883.78	39	4352	391	227	1738	19	59	72	189	3.7	30	112	11	202	49	54	1.8	3
99B-261	360063.93	6069315.74	20	7810	321	156	4688	53	33	52	82	3.4	56	133	62	211	31	110	2.2	8
99B-262	355969.59	6070935.17	38	3899	198	139	483	6	15	53	67	0.5	45	49	17	314	9	20	0.5	9
99B-263	357994.39	6070646.49	29	1500	272	159	1451	17	38	59	79	2.9	34	137	21	246	52	79	1.7	7
99B-264	360989.77	6069149.40	18	1500	239	50	631	11	18	55	45	0.5	10	53	8	94	31	58	1.0	3
99B-265	361329.67	6072980.83	12	1500	227	106	1656	16	27	53	36	0.5	21	279	12	194	34	27	0.5	5
99B-266	363559.03	6071022.97	5	1500	180	29	354	3	7	16	55	0.5	9	52	11	145	11	15	0.5	3
99B-267	377020.28	6069882.33	44	1500	1015	120	1129	17	34	41	111	5.1	19	51	52	188	23	145	4.8	6
99B-268	379044.14	6070599.95	5	4114	182	103	723	7	19	49	94	0.5	17	78	5	280	38	39	0.5	6
99B-269	376364.81	6071760.41	5	1500	201	89	1531	17	21	37	53	1.6	16	97	4	205	41	32	0.5	4
99B-270	377781.24	6066042.44	28	4603	124	307	284	4	16	45	38	0.5	37	85	13	446	18	24	0.5	7
99B-271	383858.83	6067703.50	5	1500	195	38	1244	8	13	20	41	2.7	13	77	12	252	13	16	0.5	7
99B-272	384102.61	6068885.27	5	3691	214	89	1702	13	21	29	32	2.3	18	110	10	243	37	35	0.5	4
99B-273	380547.15	6070612.20	5	5645	194	92	586	7	19	48	57	0.5	26	93	6	344	33	30	0.5	6
99B-274	382955.22	6071800.72	13	5198	175	27	1302	6	14	12	39	2.0	7	51	7	212	6	9	1.4	21
99B-275	381967.41	6070087.68	11	4779	524	74	1150	14	23	23	50	4.6	16	108	18	164	25	35	2.5	21
99B-276-1 Field Duplicate	385148.66	6077248.38	5	3752	251	36	1174	8	11	13	83	2.1	10	45	31	182	70	46	1.5	10

Sample Site	UTM		S.Q.Li	S.Q.Cl	S.Q.Ti	V	Mn	Co	Ni	Cu	Zn	Ga	As	Br	Rb	Sr	Y	Zr	Nb	Mo
	Easting	Northing	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
99B-276-2 Field Duplicate	385148.66	6077248.38	11	1500	589	37	1145	17	10	14	36	2.7	11	48	23	129	25	48	2.4	8
99B-277	386690.16	6081682.14	50	8500	701	209	1313	16	65	90	65	4.1	34	146	31	259	40	55	3.5	18
99B-278	388023.91	6080577.61	20	4654	185	163	411	5	15	48	48	1.1	40	133	9	318	13	22	1.1	9
99B-279	376310.70	6077007.87	19	4689	532	127	2208	18	49	58	34	4.2	18	194	14	173	26	30	2.1	8
99B-280	384159.38	6073682.24	37	1500	184	153	429	10	51	92	40	2.5	48	97	18	149	94	133	1.2	7
99B-281	379124.40	6067728.11	21	1500	820	67	724	13	25	48	39	8.0	20	63	46	101	78	236	4.3	4
99B-282	382727.20	6079909.30	17	8227	547	98	2042	30	36	49	28	5.9	25	122	24	148	70	130	2.7	10
99B-283	382282.71	6077714.41	12	1500	266	48	342	7	10	14	144	1.3	10	33	22	105	9	20	1.3	5
99B-285	382958.94	6074543.38	116	3325	257	199	233	5	15	37	23	2.1	26	177	22	831	8	21	1.2	48
99B-286	385475.05	6074190.49	14	4190	459	55	1087	18	14	41	30	3.8	13	85	20	117	72	146	1.9	4
99B-287	385938.09	6072538.35	14	1500	206	71	368	4	8	25	31	0.5	13	141	9	251	18	19	0.5	5
99B-288	384706.93	6071638.97	12	1500	217	37	596	4	15	21	51	1.3	13	15	25	191	4	14	0.5	12
99B-289	384447.42	6070035.32	5	5979	337	81	814	11	19	46	66	2.1	19	73	13	144	36	39	1.6	4
99B-290	385875.21	6070091.77	14	8513	236	157	578	8	33	73	40	4.0	28	103	7	354	44	38	1.3	8
99B-291	386749.94	6071142.51	34	1500	1477	133	341	10	34	78	63	5.6	20	83	43	121	73	185	6.2	2
99B-292-1 Field Duplicate	372658.22	6079359.51		11519	247	187	691	9	44	87	27	1.9	48	111	14	452	56	38	1.0	9
99B-292-2 Field Duplicate	372658.22	6079359.51		8519	142	180	502	8	38	109	35	0.5	40	96	14	424	33	31	0.5	10
99B-293	373332.21	6078856.12	61	10945	1735	239	2727	27	80	85	64	10.0	50	183	62	962	47	136	7.2	16
99B-294	374312.89	6078921.40	78	7232	205	255	1245	22	89	149	42	6.2	50	164	19	224	153	211	1.7	4
99B-295	375182.62	6078624.03	29	6113	172	134	288	4	34	93	46	3.1	33	126	9	491	31	43	0.5	11
99B-296	376386.81	6078570.83	44	1500	1706	232	1685	18	75	99	144	11.1	57	73	71	370	30	115	9.8	18
99B-297	377606.00	6078057.09	14	1500	269	37	367	4	13	25	34	0.5	13	47	6	319	10	14	0.5	6
99B-298	377794.68	6079094.31	35	1500	157	125	170	3	14	53	21	1.4	26	69	13	350	12	16	0.5	8
99B-299	377733.77	6080049.38	37	10415	302	246	2074	29	60	82	42	4.2	35	158	16	217	78	137	1.5	5
99B-300	383601.49	6081754.27	35	7528	196	196	776	10	54	100	49	2.6	41	127	9	254	67	52	1.1	4
99B-301	382264.75	6081807.41	26	5579	165	139	977	7	48	107	42	1.3	29	80	6	390	27	24	0.5	7
99B-302	381825.16	6080640.92	5	1500	313	47	275	5	14	30	47	2.5	14	61	14	244	15	26	0.5	3
99B-303	381419.93	6079292.48	20	5989	172	93	248	3	16	34	48	0.5	24	77	18	349	20	22	0.5	5
99B-304	379828.87	6079816.74	13	1500	247	48	330	4	20	46	18	0.5	35	48	9	306	7	13	0.5	2
99B-305	373257.01	6080611.99	22	1500	236	210	743	14	57	73	45	0.5	35	126	7	245	46	84	1.8	8
99B-306	374075.08	6080290.59	54	1500	304	156	206	10	25	92	39	2.1	25	138	11	154	38	187	1.9	3
99B-307	376118.15	6080021.19	37	3985	363	153	524	17	79	56	46	4.5	29	180	15	203	52	195	3.8	14
99B-308	378593.33	6079122.68	5	1500	268	33	185	12	10	49	49	4.4	11	39	48	132	15	44	0.5	2
99B-309	379412.18	6081620.51	5	1500	168	41	100	2	10	22	81	0.5	14	38	3	226	12	21	0.5	4
99B-310	378075.60	6081454.42	30	9380	211	154	677	9	72	127	24	3.0	46	128	9	507	46	51	1.2	11
99B-311	375825.45	6081477.33	5	1500	185	24	247	4	9	20	51	2.3	8	15	2	225	8	12	0.5	2
99B-312	374729.14	6081514.74	26	1500	124	84	556	9	32	47	13	0.5	15	38	8	108	31	48	0.5	1
99B-313	373003.62	6081431.03	59	1500	519	145	320	8	38	94	44	3.9	29	138	27	142	36	264	3.4	2
99B-314-1 Field Duplicate	380441.27	6077362.52	20	1500	207	178	639	7	22	73	24	0.5	27	245	6	324	23	40	0.5	4
99B-314-2 Field Duplicate	380441.27	6077362.52	14	3540	297	148	1246	18	33	60	38	1.0	19	157	7	160	41	50	1.2	3
99B-315	379424.91	6076667.36	19	5856	148	158	491	6	23	61	29	2.8	30	148	9	308	21	18	0.5	6
99B-316	378083.67	6075976.30	14	6585	181	167	521	8	22	56	42	1.5	26	112	9	453	27	34	0.5	14
99B-318	374081.75	6076384.00	41	1500	596	159	607	15	30	62	69	3.5	23	129	28	121	25	63	3.0	4
99B-319	377992.28	6071532.08	26	8445	575	158	1821	27	39	36	27	8.5	22	78	19	138	61	99	4.6	44
99B-320	378032.77	6073502.62	27	4032	444	162	221	4	19	55	19	4.0	28	58	24	261	24	39	3.2	20
99B-322	376788.52	6076148.06	34	5630	152	189	672	9	21	56	103	1.8	29	414	12	346	18	14	1.5	20
99B-323	374135.50	6077562.68	52	3745	1105	165	1170	23	50	65	44	6.8	20	108	43	148	58	141	5.3	9
99B-324	371909.21	6077077.66	15	6005	309	199	1087	18	33	59	22	4.2	25	193	7	155	33	27	1.7	10
99B-325	371394.88	6077468.54	29	5198	206	140	530	10	38	59	25	3.2	25	94	14	205	50	34	1.3	9

Sample Site	UTM		S.Q.Li	S.Q.Cl	S.Q.Ti	V	Mn	Co	Ni	Cu	Zn	Ga	As	Br	Rb	Sr	Y	Zr	Nb	Mo
	Easting	Northing	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
99B-326	367010.80	6076322.95	52	3586	201	120	248	7	44	60	17	2.8	26	150	16	188	75	156	1.4	5
99B-327	365544.89	6075097.76	21	6553	301	181	1967	30	55	54	31	4.6	29	97	13	160	65	80	1.3	10
99B-328	366630.37	6073449.41	38	1500	164	135	344	6	30	56	29	0.5	30	132	8	182	41	36	1.1	8
99B-329-1 Field Duplicate	373524.62	6072776.30	21	4125	161	136	1157	8	48	74	57	1.2	20	101	8	313	20	21	0.5	11
99B-329-2 Field Duplicate	373524.62	6072776.30	25	3653	151	133	1124	8	38	74	55	1.8	21	80	8	317	16	12	0.5	12
99B-330	373090.65	6073609.38	47	5519	426	182	939	19	38	67	35	1.9	33	477	16	430	44	63	2.1	7
99B-331	372325.83	6073335.34	50	6527	222	263	823	14	69	104	35	5.0	45	165	9	251	66	43	1.3	8
99B-332	371343.79	6071847.26	35	6440	305	194	1216	18	36	71	22	4.6	25	123	14	204	52	57	1.5	8
99B-333	356400.44	6074585.89	42	4556	846	182	1137	20	51	82	52	6.0	30	167	31	145	55	97	3.5	4
99B-334	353630.41	6074080.73	5	1500	205	28	947	8	7	12	28	1.4	12	15	32	92	26	26	0.5	5
99B-335	354026.13	6072263.97	51	1500	1691	297	316	9	49	78	45	9.1	37	107	50	225	46	88	7.5	5
99B-337	358516.43	6071531.39	24	3718	250	193	579	12	34	84	57	2.2	29	106	11	151	79	68	1.2	3
99B-338	358097.38	6073183.12	14	3796	109	142	596	6	20	47	51	0.5	24	303	9	268	17	16	0.5	6
99B-339	358101.16	6077722.60	21	1500	153	164	1434	12	43	74	45	1.7	14	270	5	225	24	14	0.5	4
99B-340	360792.23	6079576.49	47	1500	314	122	403	8	27	65	32	1.4	22	101	18	110	41	93	1.7	1
99B-341	363366.15	6079087.77	26	6718	284	240	1521	27	49	80	62	0.5	26	241	15	229	57	46	1.3	7
99B-342	361709.41	6079470.25	60	6427	2120	267	1577	15	66	112	26	11.6	104	237	77	872	38	174	11.4	62
99B-343	365228.31	6078367.51	29	8388	279	138	1321	15	63	81	45	4.2	28	94	9	430	71	40	1.8	14
99B-344	364266.45	6076224.84	23	6865	158	149	391	5	35	91	35	0.5	38	117	5	326	46	40	0.5	9
99B-345	362453.17	6075416.23	48	1500	565	134	441	10	34	77	68	3.3	26	100	23	139	52	103	2.6	3
99B-346	363508.62	6077282.57	18	4648	169	105	737	10	32	68	5	1.6	20	127	12	301	32	26	0.5	6
99B-347	390123.06	6073013.81	12	1500	241	43	457	4	8	37	21	0.5	23	35	17	283	9	13	0.5	2
99B-348	386609.32	6076034.47	5	1500	311	56	1298	13	14	24	37	1.6	12	70	23	107	23	20	2.0	6
99B-349	394290.85	6073197.89	28	3211	158	119	663	7	18	40	39	4.3	26	79	11	330	15	16	0.5	5
99B-350	381237.22	6069551.39	5	7027	230	104	1175	22	20	47	29	2.1	27	253	8	183	35	38	1.2	6
99B-351	377332.39	6064774.37	15	7140	280	149	907	22	28	54	29	2.8	19	98	23	155	33	63	1.5	3

Sample Site	Cd	In	Sb	I	Cs	Ba	La	Ce	Pr	Nd	Sm	Eu	Gd	Tb	Dy	Ho	Er	Tm	Yb	Lu	TREE	Hf	W	Pb
	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
99B-1	0.1	0.1	0.5	78	0.5	118	47	42	13	51	9	1.8	8	1.1	6.2	1.2	3.5	0.5	3.1	0.5	187.5	0.5	2	4
99B-2	0.2	0.1	1.1	111	0.5	137	15	17	4	16	3	0.5	2	0.5	1.9	0.5	1.1	0.5	1.0	0.5	63.8	0.5	3	1
99B-3	0.6	0.1	0.5	25	0.5	135	8	12	2	7	1	0.5	1	0.5	0.5	0.5	0.5	0.5	0.5	0.5	35.3	0.5	3	2
99B-4	0.1	0.1	0.5	121	0.5	151	52	66	15	58	10	2.0	9	1.3	6.9	1.3	4.1	0.5	3.5	0.5	230.3	0.5	2	2
99B-5	0.4	0.1	0.5	104	0.5	216	66	120	18	73	13	2.6	11	1.6	7.9	1.6	4.3	0.5	4.0	0.5	324.1	0.5	3	3
99B-6	0.3	0.4	1.4	156	0.5	288	139	66	42	159	28	6.5	23	4.4	15.9	4.0	9.8	1.4	9.4	2.3	510.9	2.1	3	5
99B-7	0.6	0.5	1.1	135	0.5	190	61	82	18	64	13	3.0	10	2.0	7.2	1.8	4.5	0.5	3.8	1.1	271.0	1.1	3	4
99B-8	0.4	0.2	0.5	81	0.5	136	28	33	8	28	5	1.5	4	0.5	3.4	0.5	2.0	0.5	1.8	0.5	116.4	0.5	3	2
99B-9	0.1	0.3	0.5	131	0.5	165	56	192	16	61	11	2.2	10	1.6	7.2	1.5	4.2	0.5	4.0	0.5	366.0	2.2	2	3
99B-10	0.6	0.1	0.5	85	0.5	144	20	44	5	19	4	0.5	3	0.5	2.3	0.5	1.4	0.5	1.4	0.5	102.4	0.5	3	2
99B-11	0.3	0.1	0.5	131	0.5	166	54	40	14	58	10	2.2	9	1.4	6.5	1.4	3.8	0.5	3.7	0.5	205.5	0.5	3	2
99B-12	0.4	0.1	0.5	88	0.5	234	133	216	38	150	27	5.5	23	3.3	17.4	3.5	10.3	1.4	8.9	1.4	637.8	1.8	1	4
99B-13	0.1	0.1	0.5	86	0.5	152	41	51	11	44	8	1.6	7	0.5	4.9	1.0	2.9	0.5	2.3	0.5	175.4	0.5	3	2
99B-14	0.3	0.1	0.5	127	0.5	179	40	44	11	43	8	1.6	6	0.5	4.6	0.5	2.7	0.5	2.3	0.5	166.4	0.5	3	2
99B-15	4.1	0.1	1.4	78	0.5	193	111	212	44	178	35	6.9	29	4.1	21.5	4.4	12.7	1.8	11.8	1.8	673.5	1.6	2	13
99B-16	0.5	0.1	2.7	64	0.5	264	31	50	10	41	9	1.8	7	1.2	6.2	1.3	3.7	0.5	3.0	0.5	166.1	0.5	3	12
99B-17	0.4	0.1	1.3	145	0.5	170	90	121	24	94	17	3.2	14	2.0	10.3	2.1	6.1	0.5	4.6	0.5	389.0	0.5	2	4
99B-18	0.6	0.1	0.5	111	0.5	243	60	115	18	68	12	2.3	11	1.6	8.0	1.6	4.6	0.5	4.2	0.5	306.5	2.1	2	6
99B-19	0.5	0.1	0.5	81	1.6	280	30	66	7	28	5	1.0	4	0.5	3.3	0.5	1.9	0.5	1.9	0.5	151.4	1.6	6	10
99B-20	0.3	0.1	3.5	193	0.5	227	54	42	15	58	10	1.9	8	1.1	5.5	1.1	3.1	0.5	2.7	0.5	202.6	0.5	2	6
99B-21-1 Field Duplicate	0.1	0.1	1.0	92	0.5	156	127	194	40	159	29	5.6	23	3.3	16.7	3.6	10.0	1.3	8.6	1.4	623.0	1.8	2	4
99B-21-2 Field Duplicate	0.5	0.1	0.5	94	0.5	174	99	146	31	129	24	4.5	20	2.8	13.9	2.9	8.5	1.1	7.4	1.0	491.2	1.4	4	4
99B-22	0.1	0.1	1.1	90	0.5	226	71	198	25	98	20	3.8	16	2.3	12.2	2.4	7.3	1.0	7.1	1.0	465.4	3.4	2	3
99B-23	0.3	0.1	1.5	187	0.5	221	44	65	12	47	8	1.7	7	1.1	5.8	1.1	3.4	0.5	3.0	0.5	201.2	0.5	4	3
99B-24	0.1	0.1	0.5	76	0.5	183	42	95	14	57	11	2.3	9	1.3	6.9	1.4	4.3	0.5	4.2	0.5	250.9	2.1	2	4
99B-25	0.5	0.1	0.5	66	0.5	203	27	67	9	36	7	1.4	6	0.5	4.3	0.5	2.5	0.5	2.4	0.5	165.4	1.6	1	5
99B-26	0.1	0.1	1.2	127	0.5	261	104	119	31	125	23	4.3	19	2.8	13.8	2.8	8.0	1.1	7.1	1.1	462.3	1.1	3	5
99B-27	0.1	0.1	0.5	38	0.5	118	16	25	4	16	3	0.5	3	0.5	1.9	0.5	1.1	0.5	1.0	0.5	74.2	0.5	2	2
99B-28	0.3	0.1	0.5	73	0.5	254	35	81	11	41	7	1.5	6	0.5	4.1	0.5	2.0	0.5	1.6	0.5	192.8	0.5	3	3
99B-29	0.3	0.1	0.5	110	0.5	111	30	62	8	29	5	1.0	5	0.5	3.3	0.5	1.9	0.5	1.6	0.5	148.4	0.5	2	1
99B-30	0.2	0.1	0.5	33	0.5	140	11	20	3	10	2	0.5	2	0.5	1.1	0.5	0.5	0.5	0.5	0.5	50.7	0.5	2	2
99B-31	0.8	0.1	1.2	139	0.5	181	59	53	15	62	11	2.1	9	1.3	6.5	1.4	4.0	0.5	3.5	0.5	229.6	0.5	3	2
99B-32	0.2	0.1	0.5	72	0.5	102	58	80	13	51	9	1.7	7	1.1	5.3	1.0	3.0	0.5	2.4	0.5	234.5	0.5	2	1
99B-33	0.9	0.1	0.5	94	0.5	199	57	53	15	61	11	2.1	9	1.3	6.8	1.4	4.1	0.5	3.8	0.5	227.0	0.5	2	1
99B-34	0.1	0.1	0.5	72	0.5	149	28	52	8	32	6	1.1	5	0.5	3.8	0.5	2.0	0.5	1.8	0.5	142.2	0.5	3	2
99B-35	0.3	0.1	1.1	131	0.5	296	129	165	40	162	29	5.4	23	3.5	16.8	3.5	10.3	1.5	9.6	1.5	600.9	1.9	2	3
99B-36	0.2	0.1	0.5	131	0.5	269	38	46	11	41	8	1.6	6	0.5	5.1	0.5	2.8	0.5	2.5	0.5	163.7	0.5	3	2
99B-38	0.3	0.1	0.5	67	0.5	261	46	109	15	61	12	2.5	10	1.5	8.3	1.6	4.9	0.5	4.4	0.5	277.3	2.9	2	5
99B-39	0.1	0.1	0.5	48	0.5	124	27	40	7	29	5	0.5	5	0.5	3.5	0.5	2.1	0.5	1.7	0.5	123.1	0.5	2	2
99B-40	0.1	0.1	0.5	28	0.5	153	11	19	3	11	2	0.5	2	0.5	1.3	0.5	0.5	0.5	0.5	0.5	51.8	0.5	2	2
99B-41-1 Field Duplicate	0.3	0.1	0.5	100	0.5	145	65	73	17	70	12	2.3	10	1.5	7.7	1.5	4.5	0.5	4.1	0.5	269.6	1.7	2	2
99B-41-2 Field Duplicate	0.1	0.1	0.5	113	0.5	147	62	85	17	70	13	2.6	11	1.6	8.3	1.7	5.1	0.5	4.3	0.5	282.8	2.2	3	2

Sample Site	Cd	In	Sb	I	Cs	Ba	La	Ce	Pr	Nd	Sm	Eu	Gd	Tb	Dy	Ho	Er	Tm	Yb	Lu	TREE	Hf	W	Pb
	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
99B-42	0.1	0.1	0.5	58	0.5	178	42	134	13	55	11	2.0	9	1.4	6.8	1.3	3.8	0.5	3.4	0.5	283.5	2.9	1	2
99B-43	0.4	0.1	0.5	64	0.5	178	64	110	17	67	12	2.3	10	1.3	6.5	1.3	3.6	0.5	3.1	0.5	297.9	1.9	2	3
99B-44	0.1	0.1	0.5	117	0.5	170	78	68	20	80	14	2.7	11	1.6	8.3	1.7	4.7	0.5	4.3	0.5	295.0	0.5	2	2
99B-45	0.3	0.1	0.5	69	0.5	156	41	55	10	40	7	1.4	6	0.5	4.5	0.5	2.6	0.5	2.2	0.5	172.1	0.5	3	1
99B-46	0.1	0.1	0.5	35	0.5	170	21	32	5	19	3	0.5	3	0.5	2.0	0.5	1.2	0.5	0.5	0.5	89.5	0.5	2	2
99B-47	0.1	0.1	1.6	69	0.5	306	41	82	11	43	7	1.4	6	0.5	4.4	0.5	2.7	0.5	2.2	0.5	203.5	0.5	3	3
99B-48	0.1	0.1	1.0	131	1.1	210	69	103	21	82	15	2.9	13	1.8	9.5	1.9	5.8	0.5	5.5	0.5	331.4	2.4	2	5
99B-49	0.1	0.1	0.5	71	0.5	182	42	67	12	45	8	1.6	7	0.5	5.2	1.0	3.0	0.5	2.5	0.5	195.6	0.5	2	2
99B-50	0.3	0.1	0.5	65	0.5	143	67	75	18	69	12	2.2	10	1.3	7.0	1.2	3.7	0.5	3.3	0.5	269.4	0.5	2	1
99B-51	0.1	0.2	0.5	45	0.5	75	16	31	5	15	3	1.1	3	0.5	2.1	0.5	1.3	0.5	1.2	0.5	80.6	0.5	2	8
99B-52	0.1	0.4	0.5	79	0.5	147	24	40	7	26	5	1.6	4	1.2	3.1	0.5	1.9	0.5	1.8	0.5	117.1	0.5	3	8
99B-53	0.3	0.2	0.5	72	0.5	159	31	45	9	29	6	1.5	5	1.0	3.4	0.5	2.0	0.5	1.8	0.5	136.0	1.2	3	5
99B-54	0.6	0.2	1.3	106	3.0	262	86	155	28	107	21	4.4	19	2.9	14.5	2.9	8.6	1.3	8.6	1.4	459.7	3.1	2	15
99B-55	0.5	0.3	0.5	77	1.3	225	38	86	11	44	8	1.7	7	1.1	5.6	1.1	3.0	0.5	2.7	0.5	211.1	1.3	3	9
99B-56	0.6	0.2	1.8	98	4.7	468	68	117	16	64	10	2.1	9	1.3	6.4	1.2	3.8	0.5	3.5	0.5	303.5	2.7	5	18
99B-57	0.1	0.3	0.5	110	2.4	258	60	86	15	59	10	2.0	9	1.2	6.5	1.4	3.5	0.5	3.0	0.5	257.2	2.3	3	11
99B-58	0.3	0.1	0.5	67	2.8	262	58	116	17	62	12	2.1	10	1.3	7.1	1.4	4.2	0.5	3.8	0.5	294.7	2.8	2	14
99B-59	0.1	0.1	0.5	29	1.2	159	36	55	9	36	6	1.1	6	0.5	4.2	0.5	2.3	0.5	2.2	0.5	160.8	0.5	3	6
99B-62	0.1	0.1	0.5	55	3.7	308	73	111	16	61	10	1.9	9	1.2	6.7	1.2	3.9	0.5	3.2	0.5	300.0	2.0	4	13
99B-63	0.5	0.1	0.5	89	1.9	266	60	74	15	59	10	1.9	9	1.1	6.3	1.2	3.5	0.5	2.9	0.5	244.6	1.7	3	10
99B-64	0.6	0.1	1.2	159	3.0	311	64	70	16	60	10	1.8	9	1.2	6.8	1.2	3.7	0.5	3.5	0.5	248.7	2.1	4	14
99B-65	0.5	0.2	1.1	112	3.8	532	103	201	27	106	18	3.3	15	2.0	10.3	2.0	6.2	0.5	4.9	0.5	500.7	3.1	4	22
99B-66	0.1	0.1	0.5	91	5.7	424	108	215	26	98	17	3.2	15	2.1	11.4	2.1	6.7	1.0	5.6	0.5	510.4	5.0	5	17
99B-67	0.3	0.1	0.5	102	2.5	293	66	91	15	61	10	2.0	9	1.2	7.2	1.3	3.9	0.5	3.3	0.5	271.4	2.2	4	12
99B-68	0.7	0.1	0.5	113	2.0	281	45	61	11	43	8	1.4	6	0.5	5.2	0.5	2.7	0.5	2.3	0.5	187.7	1.4	3	11
99B-69	0.1	0.1	0.5	66	0.5	144	30	47	7	30	5	0.5	4	0.5	3.0	0.5	1.5	0.5	1.4	0.5	130.7	0.5	2	5
99B-70-1 Field Duplicate	0.7	0.1	0.5	156	1.3	275	79	96	20	79	14	2.6	12	1.6	8.9	1.7	5.5	0.5	4.6	0.5	325.7	2.0	3	10
99B-70-2 Field Duplicate	0.6	0.1	1.1	92	3.0	339	124	210	34	134	24	4.6	21	3.2	16.7	3.4	9.2	1.4	8.7	1.2	594.8	4.5	3	19
99B-71	0.5	0.1	0.5	144	2.8	309	95	137	25	100	18	3.4	15	2.2	12.3	2.2	6.3	0.5	5.6	0.5	423.8	3.0	3	12
99B-72	0.3	0.1	0.5	98	2.6	313	53	65	12	56	8	1.4	7	0.5	5.3	0.5	2.8	0.5	2.6	0.5	215.4	2.0	4	13
99B-73	0.3	0.1	0.5	66	1.4	182	36	43	10	35	6	1.0	5	0.5	4.2	0.5	2.4	0.5	1.8	0.5	146.0	0.5	3	7
99B-74	0.3	0.1	0.5	112	2.0	252	50	62	11	47	8	1.4	7	0.5	5.5	1.0	3.1	0.5	2.9	0.5	201.4	1.6	4	11
99B-75	0.2	0.1	1.1	111	1.8	257	35	51	8	36	6	1.1	4	0.5	3.3	0.5	1.6	0.5	1.5	0.5	150.1	1.4	3	8
99B-76	0.6	0.1	1.2	129	2.2	307	102	99	26	107	18	3.7	16	2.2	11.8	2.3	6.7	0.5	6.0	0.5	402.0	2.2	3	10
99B-77	0.4	0.1	0.5	128	2.2	275	82	73	19	81	12	2.4	10	1.4	7.7	1.4	4.3	0.5	3.6	0.5	299.7	1.6	3	12
99B-78	0.1	0.1	0.5	97	0.5	69	42	49	10	36	6	1.1	5	0.5	4.2	0.5	2.0	0.5	1.8	0.5	159.8	0.5	2	2
99B-79	0.3	0.1	0.5	127	1.3	190	40	78	10	38	7	1.4	7	0.5	5.0	0.5	2.7	0.5	2.2	0.5	192.5	1.6	3	8
99B-80	0.2	0.1	0.5	112	4.3	394	71	131	15	55	9	1.7	8	1.0	6.3	1.1	3.4	0.5	3.2	0.5	307.2	4.1	4	17
99B-81	0.4	0.1	0.5	31	0.5	58	10	19	2	10	2	0.5	1	0.5	0.5	0.5	0.5	0.5	0.5	0.5	47.7	0.5	2	1
99B-82-1 Field Duplicate	0.1	0.1	0.5	67	0.5	143	14	30	3	17	2	0.5	2	0.5	1.3	0.5	0.5	0.5	0.5	0.5	73.2	0.5	2	6
99B-82-2 Field Duplicate	0.2	0.1	0.5	64	0.5	117	18	33	3	20	2	0.5	2	0.5	1.3	0.5	0.5	0.5	0.5	0.5	83.0	0.5	2	6
99B-83	0.3	0.1	0.5	39	0.5	126	26	51	6	23	4	0.5	4	0.5	2.6	0.5	1.1	0.5	0.5	0.5	120.7	0.5	1	6
99B-84	0.1	0.1	0.5	38	1.0	150	19	28	3	12	2	0.5	2	0.5	1.3	0.5	0.5	0.5	1.1	0.5	71.6	0.5	2	6
99B-85	0.1	0.1	0.5	12	0.5	92	14	27	3	14	2	0.5	2	0.5	1.2	0.5	0.5	0.5	0.5	0.5	66.5	0.5	2	6
99B-86	0.1	0.1	1.5	89	1.2	180	39	48	10	39	7	1.4	6	0.5	4.1	0.5	2.5	0.5	2.1	0.5	160.8	1.1	2	6
99B-87	0.1	0.1	0.5	148	2.2	253	55	64	13	51	8	1.5	7	0.5	5.0	0.5	2.6	0.5	2.2	0.5	211.2	1.4	5	13
99B-88	0.2	0.1	0.5	78	2.6	223	90	90	22	86	14	2.6	12	1.6	8.5	1.6	4.5	0.5	4.2	0.5	337.9	2.0	6	13
99B-89	0.4	0.1	1.2	140	2.7	300	91	90	21	79	13	2.3	11	1.5	8.0	1.5	4.6	0.5	3.7	0.5	326.9	2.0	8	15
99B-90	0.1	0.1	0.5	75	0.5	49	20	20	4	16	3	0.5	2	0.5	1.9	0.5	1.1	0.5	0.5	0.5	70.6	0.5	5	2

Sample Site	Cd	In	Sb	I	Cs	Ba	La	Ce	Pr	Nd	Sm	Eu	Gd	Tb	Dy	Ho	Er	Tm	Yb	Lu	TREE	Hf	W	Pb
	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
99B-91	0.5	0.1	0.5	111	0.5	234	44	66	12	50	9	1.6	7	0.5	5.7	0.5	3.1	0.5	2.6	0.5	202.9	1.1	4	6
99B-93	0.3	0.1	0.5	102	3.6	440	96	114	25	93	16	3.0	14	1.8	9.7	1.8	5.3	0.5	4.6	0.5	384.9	2.9	3	17
99B-94	0.3	0.1	0.5	33	0.5	231	68	147	17	69	12	2.1	10	1.3	6.9	1.2	3.5	0.5	2.8	0.5	341.0	1.2	1	5
99B-95	0.4	0.1	0.5	114	2.0	294	71	132	18	67	11	2.0	10	1.2	7.0	1.2	3.6	0.5	2.8	0.5	327.6	1.3	5	10
99B-96	0.2	0.1	0.5	54	4.8	687	63	163	17	63	12	2.4	10	1.3	7.5	1.3	4.5	0.5	4.6	0.5	350.8	4.3	4	26
99B-97	0.8	0.1	0.5	142	1.9	286	61	102	15	62	11	2.0	9	1.2	7.1	1.2	3.9	0.5	3.3	0.5	279.8	1.6	3	12
99B-98	0.5	1.0	0.5	87	0.5	157	25	30	10	27	7	3.0	5	2.4	4.0	1.9	2.9	0.5	3.0	2.0	122.8	0.5	4	4
99B-99	0.5	0.4	1.7	129	0.5	229	18	24	6	17	4	1.5	3	1.1	2.0	0.5	1.2	0.5	1.2	0.5	79.8	0.5	4	2
99B-100	0.8	0.3	0.5	15	0.5	360	12	21	3	8	1	0.5	1	0.5	0.5	0.5	0.5	0.5	0.5	0.5	49.9	0.5	1	14
99B-101-1 Field Duplicate	0.2	0.4	0.5	57	0.5	177	28	62	9	34	7	1.6	5	0.5	3.7	0.5	2.1	0.5	2.0	0.5	157.3	0.5	3	9
99B-101-2 Field Duplicate	0.3	0.3	0.5	63	0.5	202	38	48	10	41	7	1.5	6	0.5	4.0	0.5	2.1	0.5	1.8	0.5	162.1	0.5	2	4
99B-102	0.4	0.6	0.5	80	0.5	154	43	40	11	41	7	1.5	6	0.5	3.9	0.5	2.2	0.5	1.8	0.5	159.2	0.5	3	3
99B-103	0.5	0.5	1.0	95	0.5	187	69	131	21	87	15	2.8	12	1.8	9.0	1.7	5.5	0.5	5.2	0.5	363.8	1.8	3	4
99B-104	0.1	0.2	0.5	119	0.5	145	27	30	6	22	3	0.5	3	0.5	2.4	0.5	1.4	0.5	1.2	0.5	99.0	0.5	4	3
99B-105	0.3	0.1	1.4	174	0.5	182	15	20	3	13	2	0.5	2	0.5	1.2	0.5	0.5	0.5	0.5	0.5	59.8	0.5	5	2
99B-106	0.2	0.5	0.5	77	0.5	142	26	43	7	26	4	0.5	4	0.5	2.8	0.5	1.4	0.5	1.3	0.5	118.3	0.5	4	2
99B-107	0.1	0.1	0.5	54	0.5	160	12	18	3	12	2	0.5	2	0.5	1.1	0.5	0.5	0.5	0.5	0.5	52.9	0.5	3	1
99B-108	0.1	0.1	0.5	24	0.5	149	9	16	2	9	1	0.5	1	0.5	0.5	0.5	0.5	0.5	0.5	0.5	43.2	0.5	7	3
99B-109	0.5	0.3	0.5	86	0.5	150	25	29	6	26	4	0.5	4	0.5	2.5	0.5	1.3	0.5	1.2	0.5	101.5	0.5	3	3
99B-110	0.1	0.1	1.0	64	0.5	162	15	19	4	14	2	0.5	2	0.5	1.2	0.5	0.5	0.5	0.5	0.5	61.0	0.5	3	2
99B-111	0.1	0.1	0.5	25	0.5	105	10	16	2	10	1	0.5	1	0.5	0.5	0.5	0.5	0.5	0.5	0.5	44.9	0.5	6	3
99B-112	0.6	0.1	0.5	73	0.5	189	17	23	4	16	2	0.5	2	0.5	1.5	0.5	0.5	0.5	0.5	0.5	70.1	0.5	4	2
99B-113	0.5	0.3	0.5	51	0.5	127	25	27	6	27	4	0.5	4	0.5	2.7	0.5	1.4	0.5	1.3	0.5	100.8	0.5	7	2
99B-114	0.6	0.2	1.2	91	0.5	144	43	28	11	49	8	1.6	8	0.5	5.4	0.5	3.2	0.5	2.7	0.5	161.5	0.5	5	3
99B-115	0.3	0.1	0.5	39	0.5	131	15	15	3	14	2	0.5	2	0.5	1.3	0.5	0.5	0.5	0.5	0.5	56.9	0.5	5	3
99B-116	0.1	0.3	0.5	50	0.5	105	31	24	7	31	5	0.5	4	0.5	2.9	0.5	1.7	0.5	1.3	0.5	111.4	0.5	4	2
99B-117	0.3	0.1	0.5	73	0.5	186	41	39	10	40	6	1.1	6	0.5	3.7	0.5	2.1	0.5	1.7	0.5	151.9	0.5	4	2
99B-118	0.3	0.1	0.5	79	0.5	207	55	94	16	65	11	2.1	10	1.2	7.1	1.2	4.0	0.5	3.5	0.5	270.0	0.5	4	4
99B-119	0.2	0.1	0.5	34	1.2	238	26	47	7	31	5	0.5	4	0.5	3.3	0.5	1.8	0.5	1.8	0.5	129.7	0.5	3	6
99B-120	0.1	0.2	0.5	129	0.5	142	48	56	13	52	9	1.6	7	0.5	5.6	1.0	3.1	0.5	2.7	0.5	200.3	0.5	4	2
99B-121	0.5	0.1	1.0	124	0.5	144	71	70	18	79	13	2.6	12	1.5	8.6	1.7	5.1	0.5	4.5	0.5	287.5	0.5	3	5
99B-122	0.5	0.1	1.3	58	0.5	216	18	27	4	18	3	0.5	3	0.5	1.8	0.5	0.5	0.5	0.5	0.5	78.9	0.5	4	2
99B-123	0.4	0.1	1.1	119	0.5	180	30	26	7	29	5	0.5	4	0.5	2.7	0.5	1.5	0.5	1.3	0.5	109.4	0.5	5	2
99B-124-1 Field Duplicate	0.5	0.1	0.5	66	0.5	224	22	28	5	21	3	0.5	3	0.5	1.9	0.5	0.5	0.5	0.5	0.5	87.3	0.5	5	2
99B-124-2 Field Duplicate	0.3	0.1	0.5	65	0.5	161	21	24	5	21	3	0.5	3	0.5	2.1	0.5	1.1	0.5	0.5	0.5	82.1	0.5	4	2
99B-125	0.5	0.1	0.5	42	0.5	156	14	18	3	13	2	0.5	2	0.5	1.2	0.5	0.5	0.5	0.5	0.5	56.7	0.5	4	2
99B-126	0.3	0.1	0.5	79	0.5	173	17	22	4	18	3	0.5	3	0.5	1.7	0.5	0.5	0.5	0.5	0.5	72.0	0.5	4	2
99B-127	0.4	0.1	1.0	63	0.5	186	15	24	4	15	2	0.5	2	0.5	1.3	0.5	0.5	0.5	0.5	0.5	66.5	0.5	4	2
99B-129	0.8	0.1	0.5	99	0.5	159	26	31	7	28	5	0.5	4	0.5	3.1	0.5	1.9	0.5	1.4	0.5	109.2	0.5	5	2
99B-131	0.7	0.1	1.2	72	0.5	164	19	26	4	19	3	0.5	3	0.5	1.7	0.5	0.5	0.5	0.5	0.5	78.8	0.5	5	2
99B-132	0.4	0.1	1.3	66	0.5	166	15	28	4	15	3	0.5	2	0.5	1.3	0.5	0.5	0.5	0.5	0.5	71.6	0.5	4	2
99B-133	0.5	0.1	1.4	85	0.5	234	27	51	6	26	5	0.5	4	0.5	2.6	0.5	1.4	0.5	1.2	0.5	126.8	0.5	5	3
99B-134	0.4	0.1	0.5	152	0.5	154	28	29	7	30	5	0.5	4	0.5	2.9	0.5	1.5	0.5	1.5	0.5	110.3	0.5	4	3
99B-135	0.6	0.1	1.1	87	0.5	141	23	22	5	22	3	0.5	3	0.5	2.0	0.5	1.1	0.5	0.5	0.5	84.3	0.5	3	2
99B-136	0.4	0.1	0.5	84	0.5	119	19	17	5	21	3	0.5	3	0.5	2.3	0.5	1.3	0.5	1.1	0.5	75.4	0.5	4	1
99B-137	0.3	0.1	2.0	143	0.5	172	28	20	7	29	4	0.5	4	0.5	2.7	0.5	1.4	0.5	1.1	0.5	100.6	0.5	4	2
99B-138	0.1	0.1	1.4	69	0.5	194	18	27	4	18	3	0.5	3	0.5	1.5	0.5	0.5	0.5	0.5	0.5	77.8	0.5	4	2
99B-139	0.6	0.1	0.5	114	0.5	187	29	36	7	29	5	0.5	4	0.5	3.1	0.5	1.6	0.5	1.4	0.5	117.8	0.5	4	2
99B-140	0.6	0.1	0.5	57	0.5	139	18	20	4	18	3	0.5	3	0.5	1.7	0.5	0.5	0.5	0.5	0.5	70.8	0.5	4	2

Sample Site	Cd	In	Sb	I	Cs	Ba	La	Ce	Pr	Nd	Sm	Eu	Gd	Tb	Dy	Ho	Er	Tm	Yb	Lu	TREE	Hf	W	Pb
	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
99B-141-1 Field Duplicate	0.4	0.1	1.2	90	0.5	169	48	58	16	67	11	2.1	10	1.2	6.8	1.2	3.8	0.5	3.4	0.5	230.6	0.5	2	8
99B-141-2 Field Duplicate	0.1	0.1	1.1	86	0.5	156	36	61	14	58	11	2.1	9	1.1	6.5	1.1	3.7	0.5	3.5	0.5	207.6	0.5	2	5
99B-142	0.4	0.1	0.5	87	0.5	212	35	47	10	41	7	1.2	6	0.5	4.6	0.5	2.6	0.5	2.2	0.5	158.0	0.5	4	3
99B-143	0.4	0.5	2.1	164	0.5	256	79	69	24	85	16	4.5	12	3.2	8.6	2.5	5.3	0.5	5.2	2.0	317.3	0.5	3	8
99B-144	0.1	0.1	1.4	67	0.5	195	15	24	5	14	3	1.1	2	0.5	1.6	0.5	1.0	0.5	1.0	0.5	70.1	0.5	5	3
99B-145	0.4	0.1	0.5	19	0.5	167	10	17	3	9	2	0.5	2	0.5	1.1	0.5	0.5	0.5	0.5	0.5	46.8	0.5	2	3
99B-146	0.3	0.1	2.4	91	0.5	177	14	24	4	13	2	0.5	2	0.5	1.1	0.5	0.5	0.5	0.5	0.5	62.6	0.5	4	3
99B-147	0.6	0.1	0.5	59	0.5	138	15	22	4	14	2	0.5	2	0.5	1.4	0.5	0.5	0.5	0.5	0.5	63.3	0.5	2	3
99B-148	0.3	0.3	0.5	63	0.5	122	13	16	3	13	2	0.5	2	0.5	1.1	0.5	0.5	0.5	0.5	0.5	52.6	0.5	2	2
99B-149	0.3	0.1	0.5	44	0.5	136	11	15	3	11	2	0.5	1	0.5	0.5	0.5	0.5	0.5	0.5	0.5	45.6	0.5	2	2
99B-150	0.1	0.3	0.5	48	0.5	124	41	42	11	44	7	1.4	6	0.5	4.1	0.5	2.3	0.5	1.8	0.5	162.4	0.5	1	3
99B-151-1 Field Duplicate	0.6	0.3	1.0	76	0.5	169	29	26	7	28	5	0.5	4	0.5	3.0	0.5	1.7	0.5	1.5	0.5	106.9	0.5	3	2
99B-151-2 Field Duplicate	0.6	0.1	0.5	17	0.5	155	10	12	2	8	1	0.5	1	0.5	0.5	0.5	0.5	0.5	0.5	0.5	37.4	0.5	2	2
99B-152	0.2	0.1	0.5	33	0.5	200	60	48	15	64	9	1.8	8	1.0	5.6	1.0	3.3	0.5	2.8	0.5	220.9	0.5	2	4
99B-153	0.6	0.2	2.0	36	0.5	296	39	54	10	38	6	1.2	5	0.5	3.9	0.5	2.2	0.5	2.0	0.5	163.1	0.5	2	4
99B-154	0.3	0.1	0.5	38	0.5	148	13	20	3	10	1	0.5	1	0.5	0.5	0.5	0.5	0.5	0.5	0.5	52.7	0.5	2	3
99B-155	0.5	0.1	0.5	39	0.5	128	13	19	3	12	2	0.5	2	0.5	0.5	0.5	0.5	0.5	0.5	0.5	55.9	0.5	2	3
99B-156	0.6	0.1	0.5	33	0.5	112	10	13	2	8	1	0.5	1	0.5	0.5	0.5	0.5	0.5	0.5	0.5	39.0	0.5	2	2
99B-157	0.5	0.1	0.5	27	0.5	117	9	14	2	7	1	0.5	1	0.5	0.5	0.5	0.5	0.5	0.5	0.5	38.2	0.5	2	2
99B-201	0.2	0.2	0.5	68	0.5	183	142	148	45	189	33	6.4	28	4.0	21.3	4.1	11.8	1.8	10.5	1.5	647.2	2.0	1	5
99B-202	0.4	0.2	1.2	67	0.5	140	42	77	12	50	9	1.7	8	0.5	5.9	0.5	3.1	0.5	2.8	0.5	213.2	1.0	1	3
99B-203	0.4	0.1	0.5	69	0.5	148	20	36	5	21	4	0.5	3	0.5	2.2	0.5	1.1	0.5	1.0	0.5	95.5	0.5	3	2
99B-204	0.4	0.1	0.5	43	0.5	114	23	43	6	24	4	0.5	4	0.5	2.2	0.5	1.2	0.5	1.1	0.5	110.7	0.5	1	3
99B-205	0.3	0.1	1.8	102	0.5	172	25	31	6	24	4	0.5	3	0.5	2.4	0.5	1.2	0.5	1.0	0.5	101.2	0.5	2	3
99B-206	0.4	0.1	1.2	97	0.5	146	30	32	8	33	5	0.5	5	0.5	3.2	0.5	1.8	0.5	1.6	0.5	121.6	0.5	2	2
99B-207	0.8	0.2	0.5	69	0.5	145	55	78	14	58	9	1.7	8	1.0	6.0	0.5	3.0	0.5	2.5	0.5	238.4	0.5	2	3
99B-208	0.7	0.1	1.4	107	0.5	184	66	79	18	73	12	2.2	10	1.2	7.1	1.2	3.7	0.5	3.4	0.5	279.1	0.5	1	2
99B-209	0.1	0.1	1.4	76	0.5	171	84	69	21	89	14	2.6	12	1.5	8.2	1.5	4.4	0.5	4.1	0.5	313.8	0.5	2	3
99B-210	0.4	0.1	0.5	63	0.5	273	41	62	10	41	7	1.2	6	0.5	3.9	1.0	2.1	0.5	1.9	0.5	177.9	0.5	2	4
99B-211	0.5	0.1	1.1	73	0.5	169	60	54	16	67	11	1.9	9	1.1	6.3	1.1	3.3	0.5	2.7	0.5	235.4	0.5	2	4
99B-212	0.1	0.1	1.2	84	0.5	145	29	22	7	28	4	0.5	4	0.5	2.6	0.5	1.4	0.5	1.2	0.5	101.2	0.5	2	2
99B-213	0.4	0.1	1.1	98	0.5	171	41	61	12	47	7	1.3	7	0.5	4.5	0.5	2.5	0.5	2.6	0.5	187.9	0.5	1	4
99B-214	0.1	0.1	0.5	58	0.5	156	20	22	5	20	3	0.5	3	0.5	1.8	0.5	0.5	0.5	0.5	0.5	77.1	0.5	2	2
99B-215	0.1	0.1	0.5	19	0.5	236	12	19	2	10	1	0.5	1	0.5	0.5	0.5	0.5	0.5	0.5	0.5	50.4	0.5	2	4
99B-216	0.5	0.1	0.5	98	0.5	149	35	39	10	40	6	1.1	5	0.5	3.5	0.5	1.9	0.5	1.8	0.5	146.8	0.5	1	3
99B-217	0.3	0.1	0.5	93	1.2	210	49	50	13	55	9	1.5	7	0.5	4.8	0.5	2.5	0.5	2.5	0.5	197.0	0.5	2	7
99B-218	0.5	0.1	0.5	27	0.5	139	15	19	3	13	2	0.5	2	0.5	1.2	0.5	0.5	0.5	0.5	0.5	57.9	0.5	1	3
99B-219-1 Field Duplicate	0.7	0.1	0.5	39	0.5	130	31	51	8	32	5	0.5	4	0.5	3.2	0.5	1.7	0.5	1.4	0.5	141.1	0.5	2	4
99B-219-2 Field Duplicate	1.1	0.1	0.5	41	0.5	127	39	69	10	41	7	1.1	6	0.5	4.2	0.5	2.1	0.5	1.9	0.5	182.2	0.5	1	4
99B-220	0.8	0.1	1.6	130	0.5	194	112	116	33	136	23	4.4	19	2.6	13.5	2.6	7.7	1.1	7.0	0.5	477.5	1.1	1	3
99B-221	0.3	0.1	1.3	50	0.5	185	27	33	7	26	4	0.5	4	0.5	2.6	0.5	1.3	0.5	1.2	0.5	108.4	0.5	2	2
99B-222	0.1	0.1	1.2	68	0.5	188	13	19	3	12	2	0.5	2	0.5	1.0	0.5	0.5	0.5	0.5	0.5	55.6	0.5	2	2
99B-223	0.7	0.1	0.5	34	1.4	242	30	67	9	38	7	1.2	5	0.5	4.3	0.5	2.4	0.5	2.3	0.5	168.8	1.3	1	7
99B-224	0.1	0.1	0.5	42	0.5	120	21	37	6	24	4	0.5	3	0.5	2.6	0.5	1.3	0.5	1.2	0.5	102.9	0.5	2	2
99B-225	0.9	0.1	1.8	90	0.5	186	13	22	3	13	2	0.5	2	0.5	0.5	0.5	0.5	0.5	0.5	0.5	57.7	0.5	3	2
99B-226	0.8	0.1	0.5	81	0.5	169	34	36	8	34	5	0.5	5	0.5	3.1	0.5	1.9	0.5	1.6	0.5	130.8	0.5	1	2
99B-227	0.4	0.1	0.5	28	0.5	129	26	57	8	32	6	0.5	4	0.5	3.0	0.5	1.5	0.5	1.4	0.5	141.2	0.5	1	2
99B-228	0.5	0.1	0.5	95	0.5	147	53	83	17	70	12	2.1	10	1.3	7.2	1.2	4.1	0.5	3.7	0.5	265.2	1.3	1	2
99B-229	0.6	0.1	1.2	107	0.5	149	26	31	7	26	4	0.5	4	0.5	2.7	0.5	1.3	0.5	1.2	0.5	106.3	0.5	2	1

Sample Site	Cd	In	Sb	I	Cs	Ba	La	Ce	Pr	Nd	Sm	Eu	Gd	Tb	Dy	Ho	Er	Tm	Yb	Lu	TREE	Hf	W	Pb
	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
99B-230-1 Field Duplicate	2.1	0.4	0.5	68	0.5	240	37	103	15	52	11	3.5	9	2.5	6.3	1.9	3.9	0.5	3.9	1.5	253.1	1.3	2	7
99B-230-2 Field Duplicate	0.4	0.5	0.5	90	0.5	270	74	142	24	90	17	4.0	14	2.8	10.9	2.6	6.7	1.0	6.6	1.6	397.5	1.5	3	6
99B-231	0.8	0.3	0.5	73	0.5	182	35	54	11	43	8	1.9	7	1.2	5.0	1.1	2.9	0.5	2.9	0.5	174.8	0.5	2	6
99B-232	0.1	0.3	0.5	82	0.5	166	29	34	8	29	5	1.3	4	0.5	3.3	0.5	2.0	0.5	1.8	0.5	121.0	0.5	2	3
99B-233	0.6	0.4	0.5	98	0.5	346	156	136	40	157	26	5.0	21	3.0	15.2	3.1	8.8	1.2	7.6	1.1	581.4	1.2	2	7
99B-234	0.6	0.3	0.5	67	0.5	259	137	260	44	177	34	6.5	27	4.2	21.6	4.2	12.1	1.7	11.4	1.7	740.7	2.4	1	4
99B-235	0.4	0.3	1.3	110	0.5	356	92	130	28	113	20	3.6	16	2.3	11.2	2.2	6.3	0.5	5.7	0.5	430.7	0.5	1	5
99B-236	0.5	0.2	0.5	75	1.7	338	61	120	16	63	11	2.0	9	1.2	6.6	1.0	3.2	0.5	3.0	0.5	297.9	1.4	2	13
99B-237	0.1	0.1	0.5	75	0.5	145	18	26	5	18	3	0.5	3	0.5	1.9	0.5	1.0	0.5	0.5	0.5	78.2	0.5	2	2
99B-238	0.1	0.1	1.3	145	0.5	180	25	24	5	21	3	0.5	3	0.5	1.9	0.5	1.0	0.5	0.5	0.5	87.5	0.5	2	2
99B-239	0.3	0.2	1.1	109	0.5	145	33	33	8	30	5	0.5	4	0.5	2.8	0.5	1.5	0.5	1.3	0.5	121.0	0.5	2	2
99B-240	0.4	0.1	0.5	48	0.5	123	21	18	5	20	3	0.5	3	0.5	1.8	0.5	1.0	0.5	0.5	0.5	75.1	0.5	2	2
99B-241	0.1	0.1	0.5	100	0.5	145	45	33	11	46	8	1.3	6	0.5	4.0	0.5	2.4	0.5	2.0	0.5	160.0	0.5	1	3
99B-242	0.1	0.1	0.5	55	0.5	223	46	107	17	69	14	2.6	11	1.5	8.4	1.5	4.7	0.5	5.0	0.5	287.8	2.5	1	5
99B-243	0.2	0.1	1.1	105	0.5	214	89	95	26	106	18	3.3	15	2.0	10.0	1.8	5.3	0.5	4.8	0.5	375.9	0.5	1	5
99B-244	0.3	0.1	1.5	146	0.5	152	34	30	8	35	6	1.0	5	0.5	3.4	0.5	1.9	0.5	1.7	0.5	128.4	0.5	2	2
99B-245	0.6	0.1	1.7	151	0.5	171	34	25	9	36	6	1.1	5	0.5	3.6	0.5	1.8	0.5	1.8	0.5	124.3	0.5	2	2
99B-246	0.4	0.1	1.4	137	0.5	169	89	63	24	99	16	3.0	13	1.8	9.5	1.7	5.1	0.5	4.3	0.5	331.5	0.5	1	3
99B-247	0.4	0.1	2.0	192	0.5	187	128	182	45	188	33	6.3	27	3.9	20.0	3.9	11.6	1.7	11.1	1.7	663.1	1.9	1	4
99B-248-1 Field Duplicate	0.8	0.1	2.2	63	0.5	216	30	45	8	31	5	0.5	4	0.5	3.2	0.5	1.6	0.5	1.5	0.5	132.3	0.5	2	2
99B-248-2 Field Duplicate	0.1	0.1	1.1	37	0.5	178	18	32	4	17	3	0.5	2	0.5	1.7	0.5	0.5	0.5	0.5	0.5	81.5	0.5	3	3
99B-249	0.1	0.1	0.5	110	0.5	205	59	50	15	65	11	2.0	9	1.2	7.0	1.3	4.0	0.5	3.4	0.5	229.9	0.5	2	3
99B-250	0.3	0.1	1.8	183	0.5	212	151	153	46	188	33	6.1	27	3.6	19.4	3.8	11.2	1.6	10.6	1.5	654.9	2.3	1	4
99B-251	0.1	0.1	1.7	155	0.5	166	137	97	36	148	26	4.6	21	3.0	16.0	3.0	9.3	1.2	8.1	1.2	511.4	1.4	1	4
99B-252	0.5	0.1	1.9	121	0.5	169	43	36	10	41	7	1.2	6	0.5	4.0	0.5	2.2	0.5	1.9	0.5	154.0	0.5	2	3
99B-253	0.6	0.1	0.5	43	0.5	101	26	44	7	27	5	0.5	4	0.5	2.9	0.5	1.6	0.5	1.3	0.5	121.2	0.5	1	2
99B-254	0.6	0.1	1.0	112	0.5	259	62	60	16	66	12	2.1	10	1.3	7.3	1.3	4.2	0.5	3.8	0.5	246.7	0.5	2	2
99B-255	0.6	0.1	1.0	118	1.2	320	64	145	21	86	16	3.0	13	1.8	9.4	1.7	5.8	0.5	6.8	0.5	374.1	4.0	1	8
99B-256	0.1	0.1	1.8	217	0.5	206	34	42	9	36	6	1.1	5	0.5	3.9	0.5	2.2	0.5	2.0	0.5	143.5	0.5	2	2
99B-257	0.3	0.1	1.3	142	0.5	199	64	71	19	77	13	2.4	11	1.4	7.9	1.4	4.4	0.5	4.0	0.5	277.7	0.5	1	6
99B-258	0.1	0.1	1.6	148	0.5	190	58	43	14	58	9	1.8	8	0.5	5.5	1.0	3.2	0.5	2.5	0.5	204.7	0.5	2	2
99B-259	0.3	0.1	1.7	172	0.5	182	98	120	27	111	18	3.4	16	2.0	10.7	2.0	5.7	0.5	5.4	0.5	419.5	0.5	2	4
99B-260	0.6	0.1	1.0	151	0.5	252	78	72	21	85	14	2.6	12	1.5	7.8	1.4	4.4	0.5	3.8	0.5	303.0	0.5	1	4
99B-261	0.8	0.1	1.4	90	0.5	329	43	133	13	51	9	1.5	8	0.5	5.9	1.0	3.2	0.5	3.0	0.5	272.1	1.8	1	4
99B-262	0.3	0.1	1.0	60	0.5	234	18	38	4	17	3	0.5	2	0.5	1.7	0.5	0.5	0.5	0.5	0.5	87.1	0.5	2	3
99B-263	0.3	0.1	1.1	97	0.5	185	72	120	21	85	15	2.8	13	1.7	9.3	1.7	5.1	0.5	4.2	0.5	352.5	1.4	2	3
99B-264	0.1	0.1	0.5	54	0.5	234	46	76	14	58	10	1.8	8	1.1	6.0	1.1	3.6	0.5	3.2	0.5	230.9	1.1	1	2
99B-265	0.3	0.1	1.1	74	0.5	139	53	61	14	59	10	1.7	8	1.0	5.9	1.1	3.2	0.5	2.7	0.5	221.0	0.5	1	2
99B-266	0.1	0.1	0.5	28	0.5	97	18	18	4	17	3	0.5	3	0.5	1.9	0.5	1.0	0.5	0.5	0.5	68.3	0.5	2	1
99B-267	1.0	0.1	0.5	73	1.0	368	41	101	11	45	8	1.5	7	0.5	5.3	0.5	2.9	0.5	2.7	0.5	227.9	2.5	2	7
99B-268	0.2	0.1	0.5	100	0.5	207	52	58	14	59	10	1.8	8	1.0	6.1	1.2	3.7	0.5	3.4	0.5	219.2	0.5	2	2
99B-269	0.3	0.1	0.5	88	0.5	133	60	63	16	65	11	2.0	9	1.2	6.8	1.2	4.0	0.5	3.5	0.5	244.7	0.5	1	2
99B-270	0.3	0.1	1.4	118	0.5	206	30	30	7	31	5	0.5	4	0.5	3.1	0.5	1.7	0.5	1.3	0.5	115.7	0.5	2	1
99B-271	0.7	0.1	0.5	32	0.5	140	21	29	5	20	3	0.5	3	0.5	2.1	0.5	1.1	0.5	0.5	0.5	87.9	0.5	2	2
99B-272	0.7	0.1	0.5	113	0.5	207	52	56	13	56	10	1.9	9	1.0	6.5	1.1	3.6	0.5	3.0	0.5	214.7	0.5	1	2
99B-273	0.3	0.1	0.5	174	0.5	185	44	36	11	46	8	1.5	7	0.5	5.2	0.5	3.0	0.5	2.7	0.5	167.0	0.5	2	2
99B-274	0.5	0.3	0.5	36	0.5	111	9	14	5	10	3	2.0	3	1.5	1.9	1.2	1.5	0.5	1.6	1.4	55.2	0.5	6	3
99B-275	0.4	0.8	0.5	81	0.5	145	38	57	13	44	9	2.7	7	1.9	5.2	1.6	3.4	0.5	2.9	1.0	187.5	0.5	4	4
99B-276-1 Field Duplicate	1.0	0.3	0.5	59	0.5	188	109	226	30	123	22	4.4	18	2.8	13.8	2.7	7.4	1.1	6.3	1.0	568.4	0.5	3	4

Sample Site	Cd	In	Sb	I	Cs	Ba	La	Ce	Pr	Nd	Sm	Eu	Gd	Tb	Dy	Ho	Er	Tm	Yb	Lu	TREE	Hf	W	Pb
	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
99B-276-2 Field Duplicate	1.2	0.2	0.5	78	0.5	334	42	152	14	54	10	2.1	8	1.3	6.0	1.2	3.4	0.5	2.9	0.5	298.3	1.1	5	5
99B-277	0.3	0.2	1.7	134	0.5	243	63	93	17	68	12	2.4	10	1.5	6.8	1.3	3.7	0.5	3.4	0.5	283.6	0.5	5	6
99B-278	0.4	0.1	0.5	66	0.5	190	26	38	7	25	4	0.5	3	0.5	2.3	0.5	1.3	0.5	1.1	0.5	109.1	0.5	4	2
99B-279	0.1	0.1	1.0	128	0.5	200	45	50	11	46	8	1.5	6	0.5	4.3	0.5	2.5	0.5	1.9	0.5	178.3	0.5	4	6
99B-280	0.3	0.3	0.5	102	0.5	180	116	195	35	142	25	4.9	22	3.0	16.4	3.2	9.2	1.4	9.0	1.4	582.3	1.7	3	5
99B-281	0.7	0.1	0.5	86	0.5	349	107	248	35	145	28	5.5	22	3.3	17.3	3.3	9.8	1.4	9.8	1.4	637.3	4.6	4	8
99B-282	0.1	0.1	0.5	102	0.5	284	90	229	29	117	22	4.4	19	2.7	13.9	2.6	7.8	1.1	6.8	0.5	546.7	2.3	3	6
99B-283	0.1	0.1	0.5	28	0.5	163	16	43	5	19	3	0.5	3	0.5	2.2	0.5	1.0	0.5	0.5	0.5	94.7	0.5	3	5
99B-285	0.1	0.1	1.2	129	0.5	271	17	35	4	17	3	0.5	3	0.5	1.6	0.5	0.5	0.5	0.5	0.5	83.8	0.5	4	4
99B-286	0.4	0.1	0.5	82	0.5	249	86	223	34	139	27	5.0	20	3.0	16.5	3.2	9.4	1.4	9.3	1.3	578.0	2.5	3	4
99B-287	0.3	0.1	1.0	96	0.5	182	29	61	9	36	7	1.1	5	0.5	3.9	0.5	2.0	0.5	1.6	0.5	156.8	0.5	4	3
99B-288	0.2	0.1	0.5	17	0.5	127	9	18	2	8	1	0.5	1	0.5	0.5	0.5	0.5	0.5	0.5	0.5	43.4	0.5	4	2
99B-289	0.4	0.1	0.5	61	0.5	132	57	92	15	63	11	1.9	9	1.2	6.2	1.1	3.5	0.5	2.9	0.5	264.5	0.5	5	3
99B-290	0.3	0.1	0.5	150	0.5	235	61	63	16	64	11	2.1	10	1.2	6.9	1.3	4.0	0.5	3.4	0.5	244.9	0.5	6	3
99B-291	0.6	0.1	1.1	111	1.1	262	102	214	38	161	30	5.8	23	3.3	17.9	3.3	9.6	1.4	9.6	1.3	620.7	2.8	4	9
99B-292-1 Field Duplicate	0.8	0.1	1.4	104	0.5	262	77	90	21	84	14	2.8	12	1.6	8.8	1.6	5.1	0.5	4.3	0.5	323.0	0.5	4	2
99B-292-2 Field Duplicate	1.1	0.1	1.5	110	0.5	222	48	51	12	51	8	1.5	7	0.5	5.4	0.5	2.9	0.5	2.5	0.5	192.1	0.5	5	2
99B-293	1.0	0.1	1.8	158	2.3	733	83	126	23	86	15	2.7	12	1.6	8.5	1.6	4.6	0.5	4.2	0.5	368.2	2.1	5	9
99B-294	0.9	0.1	1.3	157	0.5	240	208	252	63	265	47	8.7	37	5.3	27.4	5.6	16.1	2.3	14.3	2.2	954.3	2.7	4	5
99B-295	0.6	0.1	1.1	127	0.5	209	49	54	12	50	8	1.5	7	0.5	5.4	0.5	3.0	0.5	2.7	0.5	195.7	0.5	4	3
99B-296	0.5	0.1	2.6	71	2.6	308	48	65	12	42	7	1.6	6	1.0	4.3	0.5	2.5	0.5	2.4	0.5	193.3	1.7	3	10
99B-297	0.2	0.1	0.5	42	0.5	157	19	29	5	19	3	0.5	3	0.5	1.9	0.5	1.0	0.5	0.5	0.5	85.0	0.5	4	3
99B-298	0.1	0.1	1.3	75	0.5	304	21	31	5	21	3	0.5	3	0.5	1.9	0.5	1.1	0.5	0.5	0.5	88.9	0.5	3	2
99B-299	1.0	0.1	0.5	153	0.5	319	99	182	30	127	22	4.1	19	2.5	13.8	2.6	8.0	1.2	7.3	1.0	520.7	1.8	3	4
99B-300	0.6	0.1	1.7	147	0.5	179	103	67	25	105	17	3.3	15	1.9	10.2	2.0	6.2	0.5	5.2	0.5	362.8	0.5	5	3
99B-301	0.4	0.1	1.2	158	0.5	168	44	35	10	39	7	1.1	6	0.5	4.1	0.5	2.2	0.5	2.0	0.5	151.6	0.5	5	3
99B-302	0.1	0.1	0.5	61	0.5	155	26	29	6	26	4	0.5	4	0.5	2.7	0.5	1.3	0.5	1.1	0.5	103.3	0.5	4	4
99B-303	0.9	0.1	0.5	68	0.5	161	31	27	8	33	6	0.5	5	0.5	3.5	0.5	1.9	0.5	2.8	0.5	119.9	0.5	3	2
99B-304	0.5	0.1	1.4	54	0.5	188	14	19	3	11	2	0.5	1	0.5	1.1	0.5	0.5	0.5	0.5	0.5	54.5	0.5	3	2
99B-305	1.2	0.1	0.5	115	0.5	204	68	80	18	77	13	2.4	11	1.5	8.2	1.5	4.7	0.5	4.3	0.5	289.7	1.2	4	4
99B-306	0.7	0.1	0.5	110	0.5	172	59	124	19	79	14	2.7	12	1.5	9.0	1.7	5.2	0.5	5.0	0.5	332.8	3.4	2	3
99B-307	0.6	0.1	0.5	133	0.5	216	80	194	24	98	17	3.1	15	1.9	11.0	1.9	5.8	0.5	5.5	0.5	458.8	3.5	3	4
99B-308	0.1	0.1	0.5	42	0.5	497	29	66	8	33	6	0.5	5	0.5	3.1	0.5	1.7	0.5	1.5	0.5	155.3	0.5	2	3
99B-309	0.1	0.1	1.1	30	0.5	71	20	37	5	19	3	0.5	3	0.5	2.1	0.5	1.1	0.5	0.5	0.5	93.2	0.5	2	2
99B-310	1.4	0.1	1.2	129	0.5	250	69	62	17	73	12	2.1	10	1.3	7.8	1.5	4.4	0.5	3.8	0.5	264.7	0.5	4	3
99B-311	0.8	0.1	0.5	16	0.5	132	15	19	3	14	2	0.5	2	0.5	1.3	0.5	0.5	0.5	0.5	0.5	60.6	0.5	3	2
99B-312	0.1	0.1	0.5	63	0.5	109	52	78	14	59	10	1.7	9	1.1	6.5	1.1	3.5	0.5	3.2	0.5	240.1	0.5	1	2
99B-313	0.9	0.1	0.5	100	0.5	210	56	113	18	75	13	2.5	11	1.4	9.0	1.6	5.0	0.5	4.7	0.5	312.7	4.7	3	5
99B-314-1 Field Duplicate	0.4	0.1	1.2	190	0.5	181	36	39	8	36	6	0.5	5	0.5	3.8	0.5	2.1	0.5	1.9	0.5	140.6	0.5	4	3
99B-314-2 Field Duplicate	0.6	0.1	0.5	135	0.5	155	63	69	16	66	11	2.0	9	1.2	6.9	1.3	4.0	0.5	3.4	0.5	254.2	0.5	7	4
99B-315	0.6	0.1	0.5	104	0.5	153	35	33	9	35	5	0.5	4	0.5	3.3	0.5	1.8	0.5	1.4	0.5	130.1	0.5	6	2
99B-316	0.3	0.1	1.1	110	0.5	170	42	36	11	45	8	1.3	6	0.5	4.4	0.5	2.6	0.5	2.2	0.5	159.6	0.5	6	3
99B-318	0.3	0.1	1.1	109	0.5	173	41	44	12	50	10	1.7	8	0.5	5.6	0.5	3.1	0.5	2.9	0.5	179.3	0.5	4	5
99B-319	0.3	0.1	1.1	123	0.5	183	88	134	29	101	20	5.9	16	3.8	11.5	3.6	7.2	0.5	6.4	2.3	428.4	1.7	6	5
99B-320	0.3	0.1	0.5	101	0.5	189	38	45	11	38	8	2.6	6	1.7	4.8	1.6	3.1	0.5	2.7	1.1	165.0	0.5	4	4
99B-322	0.1	0.1	1.3	167	0.5	163	29	26	8	30	5	1.5	4	0.5	3.2	0.5	1.7	0.5	1.5	0.5	112.7	0.5	4	3
99B-323	0.6	0.1	1.1	128	1.2	245	71	140	26	108	20	4.1	15	2.4	12.7	2.5	7.3	1.1	7.3	1.1	418.7	2.1	3	8
99B-324	0.3	0.1	1.2	131	0.5	183	44	58	13	55	10	2.0	8	1.1	5.7	1.2	3.3	0.5	2.9	0.5	204.9	0.5	4	4
99B-325	0.4	0.1	1.5	120	0.5	170	82	80	21	88	15	2.9	12	1.7	8.7	1.7	4.8	0.5	4.1	0.5	321.9	0.5	4	3

Sample Site	Cd	In	Sb	I	Cs	Ba	La	Ce	Pr	Nd	Sm	Eu	Gd	Tb	Dy	Ho	Er	Tm	Yb	Lu	TREE	Hf	W	Pb
	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
99B-326	0.2	0.1	1.3	132	0.5	169	110	164	32	130	23	4.5	18	2.8	14.1	2.8	8.3	1.2	7.7	1.1	520.5	2.8	3	3
99B-327	0.7	0.1	1.3	100	0.5	172	96	150	28	113	20	3.8	17	2.5	12.5	2.5	7.0	1.0	5.7	0.5	460.1	1.2	4	4
99B-328	0.1	0.1	0.5	124	0.5	145	61	53	17	68	12	2.2	10	1.3	7.4	1.4	4.1	0.5	4.0	0.5	242.2	0.5	4	3
99B-329-1 Field Duplicate	0.5	0.1	1.3	130	0.5	189	34	21	8	32	5	0.5	4	0.5	3.4	0.5	1.9	0.5	1.7	0.5	114.0	0.5	5	2
99B-329-2 Field Duplicate	0.2	0.1	1.4	135	0.5	231	30	22	7	27	4	0.5	4	0.5	2.7	0.5	1.5	0.5	1.1	0.5	102.8	0.5	5	2
99B-330	0.4	0.1	1.2	199	0.5	182	68	78	19	78	14	2.5	11	1.4	7.6	1.4	4.3	0.5	3.6	0.5	288.9	0.5	5	4
99B-331	0.1	0.1	2.3	187	0.5	162	101	60	26	106	18	3.1	14	1.9	9.8	2.0	5.8	0.5	5.2	0.5	352.3	0.5	3	3
99B-332	0.5	0.1	1.2	176	0.5	139	85	95	22	91	15	2.8	13	1.7	9.2	1.8	5.1	0.5	4.5	0.5	347.3	0.5	3	3
99B-333	0.5	0.1	1.4	189	0.5	193	89	93	26	102	17	3.2	13	1.8	9.3	1.7	5.3	0.5	4.9	0.5	368.0	1.2	3	6
99B-334	0.4	0.1	0.5	36	0.5	107	51	121	13	53	9	1.6	8	0.5	5.6	0.5	2.8	0.5	2.4	0.5	269.6	0.5	3	3
99B-335	0.4	0.1	1.9	168	2.1	276	93	79	22	87	14	2.5	12	1.5	7.7	1.4	4.5	0.5	3.8	0.5	329.8	1.2	4	12
99B-337	0.3	0.1	1.4	128	0.5	144	127	88	34	141	23	4.5	19	2.6	13.5	2.5	7.5	1.0	7.0	0.5	472.1	0.5	7	4
99B-338	0.2	0.1	0.5	96	0.5	127	31	25	7	29	5	0.5	4	0.5	2.8	0.5	1.6	0.5	1.4	0.5	109.1	0.5	8	2
99B-339	0.5	0.1	1.2	110	0.5	124	41	26	10	40	7	1.1	5	0.5	3.5	0.5	2.0	0.5	1.5	0.5	140.1	0.5	6	3
99B-340	0.3	0.1	1.1	142	0.5	148	50	67	17	76	14	2.7	11	1.5	8.6	1.6	5.0	0.5	5.5	0.5	260.8	1.3	5	3
99B-341	0.1	0.1	1.6	148	0.5	163	93	96	25	105	18	3.2	15	1.9	10.0	1.8	5.8	0.5	4.7	0.5	380.6	0.5	6	4
99B-342	0.8	0.4	2.0	241	3.1	604	60	80	16	62	11	2.2	9	1.4	6.2	1.3	3.7	0.5	3.3	0.5	256.3	3.4	12	8
99B-343	0.4	0.3	1.1	128	0.5	282	111	81	29	117	20	4.1	16	2.6	10.7	2.3	6.5	0.5	5.4	0.5	406.5	0.5	3	3
99B-344	1.0	0.2	1.4	134	0.5	290	74	61	19	78	13	2.5	11	1.5	8.0	1.4	4.3	0.5	3.8	0.5	279.4	0.5	6	3
99B-345	0.6	0.1	1.1	127	0.5	183	74	82	23	97	17	3.3	14	2.0	11.3	2.0	6.5	1.0	6.3	0.5	340.9	1.5	5	5
99B-346	0.6	0.1	0.5	122	0.5	192	55	53	14	59	10	1.9	8	1.1	6.5	1.1	3.6	0.5	2.9	0.5	218.1	0.5	3	3
99B-347	0.3	0.1	0.5	38	0.5	169	19	25	4	19	3	0.5	2	0.5	1.7	0.5	0.5	0.5	0.5	0.5	78.0	0.5	2	3
99B-348	0.7	0.1	0.5	35	0.5	144	41	82	11	44	8	1.4	6	0.5	4.5	0.5	2.3	0.5	1.9	0.5	203.8	0.5	7	4
99B-349	0.4	0.1	0.5	66	0.5	168	29	42	7	29	5	0.5	4	0.5	2.9	0.5	1.5	0.5	1.2	0.5	124.1	0.5	6	3
99B-350	0.9	0.1	1.2	90	0.5	174	52	93	14	58	10	1.8	8	1.1	6.4	1.2	3.4	0.5	2.9	0.5	253.4	0.5	5	3
99B-351	0.9	0.1	0.5	110	0.5	205	50	82	14	58	9	1.7	8	1.0	5.8	1.0	3.2	0.5	2.9	0.5	237.0	0.5	5	3

ICP-OES

Sample Site	Bi	Th	U	Fe	Ca	Na	Mg	K	Mn	Si	Al	H⁺	K
	ppb	ppb	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	mhos cm^{-1}
99B-1	0.5	5	0.5	3	262	2.5	54	21.0	0.15	26.6	5.2	-1.9	5.0
99B-2	0.5	2	0.5	2	509	7.1	85	20.5	0.39	30.7	2.6	-1.9	25.1
99B-3	0.5	2	0.5	2	525	2.5	27	34.1	0.59	10.3	2.7	-1.9	18.5
99B-4	0.5	4	0.5	3	180	5.8	29	16.6	0.80	37.1	6.7	-1.8	5.7
99B-5	0.5	5	0.5	3	210	2.5	47	7.5	0.72	32.9	7.0	-1.8	6.3
99B-6	4.9	11	0.5	8	180	10.1	33	15.6	0.44	48.6	12.4	-1.8	5.7
99B-7	7.4	5	1.3	4	259	2.5	43	16.4	1.03	22.8	6.4	-1.9	8.5
99B-8	5.9	3	0.5	2	428	2.5	43	15.1	0.15	11.1	4.4	-1.9	7.7
99B-9	4.1	12	1.8	5	158	5.5	24	19.3	3.10	30.0	10.3	-1.8	5.6
99B-10	5.4	5	0.5	5	702	2.5	90	27.7	1.42	9.5	7.2	-1.9	15.2
99B-11	4.8	4	0.5	3	511	9.5	58	7.5	0.15	23.4	3.4	-1.9	22.9
99B-12	2.2	12	1.1	5	167	7.1	45	7.5	1.56	27.6	8.8	-1.8	5.8
99B-13	3.9	2	0.5	3	468	7.4	52	23.3	0.56	21.6	3.1	-1.9	20.4
99B-14	3.3	3	0.5	2	292	2.5	41	19.8	0.53	25.7	4.9	-1.9	8.4
99B-15	1.7	9	1.4	4	133	9.8	25	7.5	1.04	32.5	6.5	-1.8	5.5
99B-16	3.3	4	0.5	3	435	2.5	32	27.3	0.53	14.9	3.5	-1.9	19.7
99B-17	5.1	4	0.5	2	348	6.2	52	7.5	0.86	25.5	3.6	-1.9	9.7
99B-18	1.7	14	1.8	10	133	12.1	25	21.7	0.78	33.4	13.5	-1.8	5.4
99B-19	1.5	9	1.6	22	94	6.9	21	16.8	1.53	74.1	28.0	-1.8	3.1
99B-20	1.7	5	0.5	8	159	6.9	25	7.5	0.15	55.2	11.9	-1.9	5.5
99B-21-1 Field Duplicate	1.4	10	1.4	5	132	6.2	24	7.5	1.58	36.6	7.5	-1.8	5.2
99B-21-2 Field Duplicate	1.8	6	1.1	4	200	6.7	35	7.5	1.29	30.2	5.7	-1.9	7.9
99B-22	1.4	16	2.2	6	109	10.4	20	7.5	1.17	24.8	8.9	-1.4	4.2
99B-23	2.7	5	1.6	5	464	16.7	59	7.5	0.92	30.7	5.8	-1.9	22.2
99B-24	1.1	12	2.1	6	87	10.9	17	15.6	0.59	31.3	9.1	-1.5	3.0
99B-25	0.5	9	1.8	5	75	9.2	14	19.8	0.31	30.0	7.6	-1.4	2.9
99B-26	1.0	9	1.4	9	102	7.4	21	7.5	1.71	36.5	9.8	-1.8	6.0
99B-27	1.2	3	0.5	3	451	2.5	36	29.7	0.15	9.1	3.4	-1.9	17.9
99B-28	2.5	13	1.9	8	120	2.5	15	15.6	0.15	20.3	11.1	-1.8	3.6
99B-29	2.8	2	0.5	2	266	2.5	46	7.5	1.14	14.3	5.0	-1.9	7.4
99B-30	1.0	3	0.5	3	542	2.5	30	30.7	0.15	12.0	2.8	-1.9	16.4
99B-31	2.0	3	0.5	3	483	13.8	60	7.5	0.91	29.8	3.6	-1.9	16.3
99B-32	1.7	2	0.5	3	413	2.5	51	20.1	0.84	10.8	4.8	-1.9	7.8
99B-33	2.1	6	0.5	4	534	5.9	64	7.5	0.15	21.9	5.0	-1.9	19.5
99B-34	1.8	3	0.5	4	232	2.5	55	7.5	0.46	8.4	4.9	-1.9	8.1
99B-35	0.5	11	1.6	7	133	9.6	30	7.5	1.78	38.6	8.9	-1.8	5.6
99B-36	2.5	5	0.5	3	524	5.8	78	27.3	0.31	17.0	2.8	-1.9	20.3
99B-38	0.5	17	2.3	9	101	12.3	24	7.5	0.66	38.8	11.7	-1.7	4.3
99B-39	1.6	2	0.5	3	335	2.5	40	21.6	0.60	10.1	3.7	-1.9	8.6
99B-40	0.5	3	0.5	4	539	2.5	33	34.1	0.52	6.6	3.6	-1.9	13.7
99B-41-1 Field Duplicate	1.2	9	2.8	9	258	6.6	40	20.3	0.35	29.6	8.0	-2.0	8.4
99B-41-2 Field Duplicate	1.5	12	4.3	8	230	6.7	36	17.3	0.15	26.5	7.5	-2.0	8.0

Sample Site	Bi	Th	U	Fe	Ca	Na	Mg	K	Mn	Si	Al	H+	K
	ppb	ppb	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	mhos cm^{-1}
99B-42	0.5	21	2.8	6	101	9.1	26	7.5	0.35	20.4	7.4	-1.8	4.0
99B-43	0.5	31	2.3	6	80	2.5	35	17.1	0.72	12.1	10.4	-1.8	3.2
99B-44	1.2	5	0.5	2	351	5.5	45	29.3	0.51	25.2	3.1	-2.0	9.0
99B-45	1.1	3	0.5	4	458	2.5	56	18.9	0.94	7.4	4.3	-2.0	19.8
99B-46	0.5	4	0.5	5	362	2.5	36	28.3	0.15	11.1	10.2	-2.0	8.8
99B-47	0.5	7	0.5	8	622	6.0	52	28.9	1.83	35.3	7.7	-2.0	26.6
99B-48	0.5	16	3.0	10	108	9.4	19	23.0	0.39	46.9	13.9	-1.9	4.3
99B-49	3.6	3	1.3	4	220	2.5	38	7.5	0.72	14.8	4.1	-2.0	9.6
99B-50	0.5	4	0.5	3	326	2.5	39	23.6	1.55	19.7	3.5	-2.0	9.0
99B-51	4.8	3	1.7	8	30	2.5	2	7.5	0.15	18.9	27.8	-0.8	2.2
99B-52	7.4	5	1.4	13	168	2.5	34	7.5	0.15	38.5	14.9	-2.0	10.1
99B-53	4.9	6	0.5	10	327	2.5	57	7.5	0.15	32.9	12.8	-2.0	17.5
99B-54	2.6	22	3.2	15	26	10.5	8	7.5	0.38	67.8	18.0	-1.6	2.8
99B-55	5.7	9	2.3	17	242	5.6	36	7.5	0.34	54.6	21.5	-2.0	10.2
99B-56	4.3	18	3.4	33	278	9.8	39	23.1	0.30	125.0	41.8	-2.0	28.4
99B-57	5.9	15	2.4	23	132	5.9	24	7.5	0.15	81.3	29.2	-2.0	6.6
99B-58	1.9	21	3.9	15	25	10.2	8	7.5	0.35	62.7	17.2	-1.6	2.4
99B-59	2.1	8	1.1	12	195	2.5	25	7.5	0.15	42.0	15.8	-2.0	13.0
99B-62	3.0	16	3.2	25	153	5.8	35	7.5	0.15	90.8	32.1	-2.0	6.3
99B-63	3.8	13	2.0	22	195	2.5	31	7.5	0.15	61.4	25.1	-2.0	8.6
99B-64	4.4	15	2.4	30	197	12.3	43	19.4	0.32	118.4	37.8	-2.0	10.8
99B-65	5.4	23	3.1	38	145	21.3	51	15.3	0.71	109.1	46.7	-2.0	9.5
99B-66	3.7	41	8.0	37	96	12.9	24	18.7	0.34	121.2	44.3	-2.0	6.4
99B-67	3.5	17	4.1	25	205	8.4	37	20.6	0.15	98.3	33.6	-2.0	11.6
99B-68	2.4	11	2.3	17	181	2.5	34	7.5	0.31	55.0	21.0	-2.0	7.4
99B-69	2.6	4	0.5	10	124	2.5	19	7.5	0.15	39.0	14.0	-2.0	4.6
99B-70-1 Field Duplicate	2.4	18	1.7	19	143	2.5	27	7.5	0.41	54.4	20.9	-2.0	6.8
99B-70-2 Field Duplicate	1.7	40	4.0	33	76	9.3	18	7.5	0.54	101.9	34.3	-1.9	5.4
99B-71	3.0	22	5.0	34	199	26.9	50	24.4	0.15	116.9	44.0	-2.0	11.0
99B-72	1.6	13	2.5	20	83	7.1	14	7.5	0.30	72.2	24.6	-2.0	4.9
99B-73	1.7	8	1.5	14	156	2.5	24	7.5	0.15	45.2	17.4	-2.0	7.7
99B-74	2.0	13	2.8	23	273	9.1	36	21.3	0.32	90.1	28.0	-2.0	22.2
99B-75	1.5	9	1.6	19	324	8.3	48	7.5	0.15	70.2	22.1	-2.0	22.3
99B-76	2.0	16	3.6	23	344	11.0	51	7.5	0.47	88.4	28.4	-2.0	22.4
99B-77	2.1	13	2.7	25	282	9.7	37	19.3	0.37	93.7	29.3	-2.0	19.7
99B-78	1.9	5	1.0	4	268	2.5	40	7.5	0.15	8.4	5.5	-2.0	16.6
99B-79	4.7	13	1.7	20	177	2.5	26	7.5	0.15	61.6	22.0	-2.0	8.4
99B-80	1.4	38	4.3	31	84	19.5	25	16.7	0.71	104.1	35.0	-2.0	6.1
99B-81	1.3	4	0.5	3	393	2.5	84	7.5	0.65	5.5	3.6	-1.9	13.4
99B-82-1 Field Duplicate	0.5	4	0.5	6	268	2.5	41	7.5	0.32	21.5	8.0	-1.9	18.9
99B-82-2 Field Duplicate	0.5	3	0.5	6	183	2.5	22	7.5	0.15	24.0	7.8	-1.9	19.7
99B-83	0.5	4	0.5	7	182	2.5	26	7.5	0.30	9.5	10.7	-1.9	4.6
99B-84	0.5	4	1.2	6	210	2.5	23	7.5	0.15	24.2	9.5	-1.9	21.5
99B-85	0.5	2	0.5	5	141	2.5	18	7.5	0.15	13.5	7.2	-1.9	9.5
99B-86	1.4	11	0.5	11	160	2.5	21	7.5	0.15	45.4	14.4	-1.9	7.4
99B-87	2.2	10	1.8	20	183	8.1	27	7.5	0.15	73.9	21.3	-1.9	9.8
99B-88	1.0	14	2.1	16	62	8.4	17	7.5	0.15	57.6	16.1	-1.9	5.3
99B-89	1.6	15	3.1	29	168	11.8	34	20.8	0.15	112.0	33.8	-1.9	8.4
99B-90	1.6	2	0.5	4	325	2.5	32	7.5	0.15	9.4	4.4	-1.9	22.1

Sample Site	Bi	Th	U	Fe	Ca	Na	Mg	K	Mn	Si	Al	H°	K
	ppb	ppb	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	mhos cm^{-1}
99B-91	1.0	7	1.4	14	112	6.0	28	7.5	0.57	51.8	18.0	-1.9	6.9
99B-93	0.5	18	2.9	22	110	13.4	23	7.5	0.64	71.9	24.1	-1.9	7.2
99B-94	0.5	15	1.8	11	39	2.5	9	7.5	0.15	27.0	22.0	-1.8	3.3
99B-95	1.2	12	2.4	19	315	7.1	46	21.5	0.36	72.8	24.2	-1.9	30.0
99B-96	0.5	24	5.3	16	43	8.2	13	19.4	0.88	63.9	27.1	-1.1	3.2
99B-97	1.2	13	2.1	22	255	8.1	41	16.9	0.37	79.5	27.7	-1.9	12.2
99B-98	6.1	2	0.5	2	412	5.4	58	41.5	1.83	22.3	2.4	-1.9	11.8
99B-99	4.5	2	0.5	2	526	10.8	60	41.9	0.52	37.3	2.7	-1.9	29.7
99B-100	3.6	1	0.5	6	50	2.5	6	44.1	2.21	12.2	16.2	-1.8	2.2
99B-101-1 Field Duplicate	2.3	4	0.5	5	109	9.5	30	7.5	0.51	29.9	6.1	-2.0	4.1
99B-101-2 Field Duplicate	3.0	2	0.5	3	352	7.9	60	7.5	0.55	26.0	4.3	-2.0	10.0
99B-102	6.4	2	0.5	2	444	8.5	60	20.0	1.36	21.7	3.1	-2.0	14.1
99B-103	3.6	11	2.1	6	123	10.0	34	27.1	1.46	31.5	8.1	-1.9	6.1
99B-104	3.8	1	0.5	3	439	7.1	74	17.3	1.45	26.4	3.8	-2.0	12.3
99B-105	2.2	2	0.5	2	466	5.1	55	34.3	0.45	27.3	3.1	-2.0	28.0
99B-106	6.6	2	0.5	1	393	2.5	33	21.5	0.43	14.5	2.1	-2.0	11.8
99B-107	2.5	1	0.5	2	501	2.5	51	32.9	0.15	21.4	2.7	-2.0	27.0
99B-108	1.8	2	0.5	3	525	2.5	44	38.2	0.77	9.7	2.4	-2.0	20.5
99B-109	4.3	2	0.5	2	465	7.7	57	26.9	0.77	30.0	3.1	-2.0	19.4
99B-110	2.5	2	0.5	3	494	11.2	64	21.4	0.54	30.8	3.7	-2.0	26.2
99B-111	2.1	2	0.5	2	454	2.5	25	31.6	0.37	7.4	2.4	-2.0	17.2
99B-112	3.2	1	1.0	4	564	7.7	44	16.1	0.89	18.1	2.2	-2.0	26.9
99B-113	4.0	2	0.5	2	452	9.1	61	31.5	0.38	16.9	2.1	-2.0	19.1
99B-114	3.7	3	0.5	2	395	9.4	56	25.8	0.39	26.0	2.5	-2.0	13.5
99B-115	2.1	2	0.5	3	403	2.5	57	26.2	0.37	14.6	2.8	-2.0	20.4
99B-116	4.2	2	0.5	2	272	2.5	42	7.5	1.15	19.1	2.3	-2.0	7.7
99B-117	2.9	2	0.5	3	325	5.6	50	22.1	1.71	21.2	3.4	-2.0	10.4
99B-118	1.5	4	0.5	6	140	9.3	25	19.5	1.39	36.0	5.8	-2.0	6.2
99B-119	0.5	5	1.0	6	81	12.4	18	15.7	1.08	34.4	8.0	-1.8	2.9
99B-120	3.4	2	0.5	3	518	10.5	60	23.6	0.80	30.3	3.9	-2.0	15.7
99B-121	2.8	3	0.5	3	278	6.2	51	27.0	1.73	31.5	5.1	-2.0	8.5
99B-122	1.3	3	0.5	3	624	6.1	68	41.5	0.81	25.1	2.1	-2.0	24.2
99B-123	2.0	1	0.5	2	529	10.9	64	27.7	0.89	34.1	2.4	-2.0	26.0
99B-124-1 Field Duplicate	2.3	2	0.5	3	630	2.5	62	34.9	0.92	19.2	3.6	-2.0	22.2
99B-124-2 Field Duplicate	3.1	2	0.5	4	543	2.5	55	33.9	0.57	18.0	2.4	-2.0	22.0
99B-125	1.4	2	0.5	4	622	2.5	49	35.9	0.58	9.8	2.3	-2.0	18.4
99B-126	2.6	1	0.5	2	601	2.5	59	36.0	0.90	18.2	1.8	-2.0	23.2
99B-127	1.3	2	0.5	3	556	2.5	67	28.2	0.64	23.1	3.3	-2.0	24.1
99B-129	3.2	2	0.5	2	599	2.5	60	33.7	0.55	15.9	1.1	-2.0	22.6
99B-131	1.5	2	0.5	2	537	9.6	52	27.6	0.54	31.2	2.2	-2.0	26.1
99B-132	0.5	3	0.5	3	544	5.7	57	35.7	0.82	29.0	3.3	-2.0	24.4
99B-133	1.7	4	0.5	5	534	15.0	61	25.8	1.62	37.5	5.8	-2.0	22.5
99B-134	3.2	1	0.5	2	571	7.0	67	24.9	1.43	26.4	2.1	-2.0	18.1
99B-135	2.7	2	0.5	2	604	6.6	62	26.5	0.15	26.0	2.1	-2.0	27.5
99B-136	2.1	2	0.5	1	517	2.5	62	33.6	0.72	13.7	1.5	-2.0	17.2
99B-137	1.5	3	0.5	2	465	16.0	61	29.6	0.40	36.8	2.7	-2.0	21.1
99B-138	0.5	3	0.5	3	568	7.6	56	33.7	0.58	31.8	3.5	-2.0	25.5
99B-139	3.0	2	0.5	4	608	6.0	69	29.9	1.08	22.6	2.0	-2.0	19.8
99B-140	2.2	1	0.5	2	515	2.5	56	28.9	0.53	17.1	2.3	-2.0	17.6

Sample Site	Bi	Th	U	Fe	Ca	Na	Mg	K	Mn	Si	Al	H+	K
	ppb	ppb	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	mhos cm^{-1}
99B-141-1 Field Duplicate	0.5	4	0.5	6	124	9.2	25	7.5	1.78	52.0	6.8	-2.2	3.7
99B-141-2 Field Duplicate	0.5	2	0.5	4	117	10.9	21	21.7	1.94	40.5	4.6	-2.2	3.4
99B-142	2.1	3	0.5	2	632	5.6	72	27.1	0.77	18.6	3.1	-2.3	14.5
99B-143	3.7	7	1.8	9	119	20.6	36	21.1	0.36	66.8	11.8	-2.3	5.0
99B-144	2.9	2	0.5	3	556	6.5	68	34.9	1.12	30.5	2.7	-2.3	24.8
99B-145	3.6	2	1.0	3	630	2.5	36	50.4	1.16	7.5	1.8	-2.3	16.7
99B-146	2.2	2	0.5	5	474	17.5	71	29.9	0.49	48.2	6.4	-2.3	20.6
99B-147	4.4	2	0.5	4	484	2.5	54	31.2	0.33	17.9	4.8	-2.3	13.5
99B-148	5.1	1	0.5	2	423	5.1	63	31.9	0.33	24.6	2.6	-2.3	16.7
99B-149	3.5	2	0.5	2	464	2.5	48	52.3	0.70	17.2	3.1	-2.3	19.2
99B-150	5.0	4	0.5	5	241	2.5	31	7.5	0.31	17.6	4.8	-2.3	5.1
99B-151-1 Field Duplicate	6.8	2	0.5	2	521	7.3	95	25.7	1.26	24.6	1.0	-2.3	20.7
99B-151-2 Field Duplicate	2.1	1	0.5	3	451	2.5	33	41.0	0.51	10.2	2.7	-2.3	16.9
99B-152	2.9	4	0.5	5	354	2.5	44	29.7	0.15	21.9	6.5	-2.3	12.7
99B-153	3.6	5	0.5	5	476	7.8	48	36.3	0.40	25.2	3.9	-2.3	23.4
99B-154	1.9	2	0.5	5	461	2.5	39	35.1	0.15	22.5	6.3	-2.3	19.2
99B-155	2.8	2	0.5	4	472	2.5	40	30.5	0.33	12.7	4.3	-2.3	16.2
99B-156	2.6	2	0.5	3	433	2.5	33	35.1	0.49	13.1	2.8	-2.3	18.2
99B-157	2.3	2	0.5	3	478	2.5	33	29.9	0.44	9.6	2.8	-2.3	17.8
99B-201	3.1	13	1.5	7	143	6.5	28	7.5	1.45	36.1	9.2	-2.3	5.2
99B-202	2.5	5	0.5	5	107	9.6	21	7.5	1.07	21.5	5.7	-2.1	4.4
99B-203	3.6	3	0.5	2	484	7.3	53	26.2	0.74	30.1	2.2	-2.3	26.3
99B-204	3.1	2	0.5	3	135	7.4	29	17.5	0.71	20.5	5.2	-2.2	6.2
99B-205	3.3	3	0.5	5	460	9.1	59	31.6	0.31	33.8	3.1	-2.3	27.0
99B-206	3.8	2	0.5	3	409	7.6	57	33.5	0.48	27.5	2.7	-2.3	14.2
99B-207	6.2	7	0.5	3	186	2.5	44	15.2	0.70	17.3	4.8	-2.3	7.2
99B-208	2.8	4	0.5	4	134	6.6	26	24.4	0.61	26.3	6.4	-2.3	5.9
99B-209	2.0	3	0.5	3	157	15.5	42	17.5	1.96	33.4	4.9	-2.3	8.7
99B-210	2.7	3	0.5	6	347	8.9	51	32.5	1.59	22.5	6.4	-2.3	12.8
99B-211	2.2	4	0.5	5	230	19.4	42	7.5	0.91	33.6	6.2	-2.3	8.5
99B-212	2.4	3	1.3	3	410	7.9	71	27.1	0.15	28.4	3.1	-2.3	18.1
99B-213	1.7	5	1.2	5	118	10.5	23	17.2	1.39	28.6	5.9	-2.2	5.1
99B-214	2.2	2	0.5	2	329	7.3	47	32.9	0.66	28.0	3.0	-2.3	10.5
99B-215	1.4	3	0.5	5	489	2.5	31	51.1	1.29	11.8	4.1	-2.3	13.5
99B-216	1.5	4	1.5	4	108	12.5	26	17.8	0.45	32.2	6.2	-2.3	6.4
99B-217	1.4	7	1.1	10	115	9.2	21	22.6	1.01	62.1	12.5	-2.3	5.2
99B-218	1.2	3	0.5	6	488	2.5	31	35.4	0.48	13.3	4.2	-2.3	16.6
99B-219-1 Field Duplicate	2.1	7	0.5	7	169	2.5	36	26.1	1.14	31.4	9.5	-2.3	5.9
99B-219-2 Field Duplicate	2.1	6	0.5	5	204	2.5	42	24.3	1.20	23.0	7.2	-2.3	6.5
99B-220	1.2	6	1.0	5	177	12.6	36	24.5	1.69	44.8	6.0	-2.3	7.6
99B-221	2.8	2	0.5	1	640	5.5	50	25.7	0.41	19.4	1.4	-2.1	26.0
99B-222	1.5	2	0.5	1	529	9.9	58	33.1	0.47	34.1	1.8	-2.1	27.9
99B-223	0.5	8	1.4	9	108	8.5	23	28.0	1.04	39.6	10.7	-1.9	3.6
99B-224	2.0	2	0.5	2	280	2.5	34	21.2	1.10	29.2	3.0	-2.1	9.1
99B-225	1.4	2	0.5	3	430	7.8	54	32.0	1.45	33.5	3.8	-2.1	17.1
99B-226	2.1	2	0.5	2	432	7.1	55	7.5	0.99	20.6	2.5	-2.1	11.7
99B-227	2.1	4	0.5	2	96	6.1	24	7.5	1.10	14.3	4.1	-2.1	4.2
99B-228	0.5	5	1.2	4	110	7.7	21	32.3	0.15	28.5	5.8	-2.0	5.3
99B-229	2.9	3	0.5	2	518	14.4	56	25.3	0.15	17.6	2.4	-2.1	24.5

Sample Site	Bi	Th	U	Fe	Ca	Na	Mg	K	Mn	Si	Al	H+	K
	ppb	ppb	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	mhos cm^{-1}
99B-230-1 Field Duplicate	4.1	11	1.2	9	120	12.0	26	7.5	0.83	39.1	10.5	-2.0	4.9
99B-230-2 Field Duplicate	5.0	11	1.4	6	126	10.5	25	7.5	1.46	33.2	7.0	-2.0	5.9
99B-231	3.5	6	1.4	7	103	12.9	23	20.4	0.34	43.5	8.8	-2.0	4.5
99B-232	7.2	3	0.5	3	435	9.3	53	7.5	1.13	27.7	3.4	-2.1	13.8
99B-233	5.5	12	1.2	7	152	6.7	36	7.5	1.87	35.9	10.9	-2.1	6.4
99B-234	4.7	21	2.1	5	114	6.4	33	15.3	1.59	19.0	7.5	-1.8	5.7
99B-235	3.6	6	1.1	10	181	11.3	32	18.3	1.81	47.2	10.5	-2.1	7.1
99B-236	3.9	11	3.6	17	140	14.6	36	7.5	0.41	55.7	19.7	-2.0	6.1
99B-237	6.3	3	0.5	1	500	11.4	49	15.3	0.66	22.9	1.5	-2.1	23.0
99B-238	4.5	2	0.5	3	500	13.5	67	7.5	1.02	36.8	3.2	-2.1	21.9
99B-239	4.9	2	0.5	3	390	9.6	50	20.8	0.72	28.1	4.3	-2.1	12.6
99B-240	5.0	2	0.5	2	375	7.2	49	16.7	0.54	18.5	2.5	-2.1	12.8
99B-241	3.0	4	0.5	3	168	8.8	37	7.5	1.51	39.2	4.0	-2.1	6.8
99B-242	1.8	15	2.4	9	93	18.9	24	7.5	0.70	27.4	7.9	-1.6	4.7
99B-243	3.1	7	1.3	6	147	14.7	26	7.5	0.76	42.7	6.3	-2.1	6.8
99B-244	5.6	3	0.5	2	476	10.0	61	24.3	1.10	32.9	2.3	-2.1	15.8
99B-245	3.7	3	1.1	3	365	11.9	50	23.0	0.52	40.4	4.0	-2.1	10.6
99B-246	3.7	3	0.5	4	178	11.2	35	7.5	0.15	38.2	7.5	-2.1	6.6
99B-247	2.1	12	1.7	6	109	11.3	23	28.1	0.51	45.7	7.7	-2.0	5.5
99B-248-1 Field Duplicate	3.8	4	0.5	2	592	5.3	66	26.3	0.78	23.6	2.3	-2.1	23.4
99B-248-2 Field Duplicate	3.6	3	0.5	2	619	2.5	56	25.1	0.71	12.0	2.0	-2.1	21.1
99B-249	4.8	3	0.5	2	544	8.6	54	28.1	0.68	28.0	2.1	-2.1	20.4
99B-250	1.9	14	0.5	8	146	11.3	27	20.3	0.99	44.7	9.5	-2.1	6.0
99B-251	2.9	8	1.1	5	210	9.9	36	18.6	1.10	41.3	5.9	-2.1	7.9
99B-252	2.5	4	0.5	3	348	17.5	47	21.8	0.33	39.6	3.7	-2.1	11.4
99B-253	4.0	2	0.5	2	243	2.5	53	30.8	1.10	16.9	3.7	-2.1	8.3
99B-254	3.6	5	0.5	4	454	7.3	50	31.1	0.56	21.6	3.2	-2.1	16.1
99B-255	1.6	28	3.4	12	104	12.3	21	31.6	0.33	37.1	12.1	-1.6	4.4
99B-256	2.8	6	0.5	2	496	10.1	53	26.6	1.44	34.6	2.7	-2.1	21.1
99B-257	1.2	8	1.1	6	127	8.6	22	20.1	1.70	53.5	7.5	-2.1	5.3
99B-258	2.7	3	0.5	3	526	9.8	59	19.7	1.00	31.4	3.3	-2.1	20.3
99B-259	1.4	4	0.5	5	215	10.6	35	24.1	2.62	46.5	5.9	-2.2	7.4
99B-260	1.2	6	0.5	4	157	8.7	36	7.5	1.63	42.7	5.2	-2.2	4.9
99B-261	2.0	12	0.5	7	227	6.3	34	25.9	4.24	29.9	10.6	-2.1	7.3
99B-262	1.5	5	0.5	3	606	2.5	54	36.5	0.53	23.4	3.8	-2.2	22.3
99B-263	2.7	7	1.2	4	221	6.0	37	29.4	1.31	27.8	7.1	-2.2	6.9
99B-264	1.6	6	1.6	3	100	5.2	23	7.5	0.79	20.6	5.0	-2.2	4.0
99B-265	2.2	3	0.5	2	348	2.5	73	23.8	2.14	26.6	2.8	-2.2	10.2
99B-266	1.4	2	0.5	2	276	2.5	26	26.3	0.43	6.6	2.2	-2.2	4.3
99B-267	2.3	17	2.8	22	149	6.8	28	36.4	1.34	42.4	24.8	-1.5	5.1
99B-268	2.1	5	1.4	3	419	8.7	54	7.5	0.77	19.6	3.2	-2.2	12.6
99B-269	2.0	4	1.1	3	302	5.8	58	7.5	1.63	23.0	3.1	-2.2	8.0
99B-270	1.5	3	0.5	3	577	8.0	69	25.7	0.31	36.5	4.1	-2.2	24.2
99B-271	1.6	3	0.5	3	467	2.5	46	32.9	1.28	6.0	3.4	-2.2	6.4
99B-272	1.7	4	0.5	3	369	2.5	70	16.2	1.76	19.2	4.4	-2.2	7.1
99B-273	1.5	3	0.5	3	521	2.5	53	16.9	0.59	19.9	3.2	-2.2	15.9
99B-274	8.8	1	0.5	3	409	2.5	49	36.1	1.41	6.5	3.4	-2.2	7.8
99B-275	14.4	7	1.0	6	219	2.5	42	26.6	1.19	20.8	7.8	-2.2	6.3
99B-276-1 Field Duplicate	8.9	13	1.7	5	92	2.5	18	27.2	1.29	24.1	12.4	-2.1	3.0

Sample Site	Bi	Th	U	Fe	Ca	Na	Mg	K	Mn	Si	Al	H^+	K
	ppb	ppb	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	mhos cm^{-1}
99B-276-2 Field Duplicate	7.7	12	2.3	5	87	2.5	18	22.5	1.25	18.0	9.2	-2.1	2.9
99B-277	6.2	6	1.0	7	231	14.2	38	28.2	1.24	51.6	10.4	-2.2	6.8
99B-278	6.0	4	0.5	6	526	5.5	60	30.3	0.43	22.7	3.7	-2.2	22.4
99B-279	5.3	4	0.5	7	213	5.3	43	16.6	2.20	38.1	8.7	-2.2	6.3
99B-280	7.1	11	0.5	6	125	8.0	18	26.6	0.43	31.6	7.9	-2.1	5.7
99B-281	6.0	40	4.3	14	95	6.3	24	20.0	0.86	33.4	17.4	-1.5	3.5
99B-282	6.5	17	2.5	7	148	2.5	32	22.2	1.91	31.8	12.7	-2.1	5.4
99B-283	6.7	6	0.5	6	97	2.5	21	28.7	0.38	10.4	8.7	-2.0	3.4
99B-285	4.1	6	0.5	5	406	53.2	59	42.1	0.15	35.8	5.6	-2.2	28.5
99B-286	4.1	22	2.2	4	93	7.4	23	17.0	1.13	24.7	6.4	-1.9	4.1
99B-287	8.0	4	0.5	4	471	2.5	41	17.2	0.41	18.3	6.8	-2.2	11.4
99B-288	1.7	2	0.5	3	438	2.5	30	35.0	0.67	14.6	3.3	-2.2	17.8
99B-289	5.5	7	1.2	3	183	5.3	34	19.1	0.83	19.2	4.9	-2.2	6.3
99B-290	5.2	4	0.5	4	548	7.1	71	17.7	0.60	27.9	4.5	-2.2	25.2
99B-291	2.2	23	3.1	10	91	12.2	20	20.9	0.36	44.8	12.2	-2.0	3.5
99B-292-1 Field Duplicate	5.8	4	0.5	4	529	8.5	52	47.1	0.63	28.4	3.3	-2.2	18.2
99B-292-2 Field Duplicate	4.4	5	0.5	2	584	7.3	53	35.1	0.51	28.1	2.1	-2.2	27.5
99B-293	7.7	19	1.9	7	1365	10.6	219	32.4	3.68	40.6	9.6	-2.2	22.3
99B-294	4.8	12	1.8	7	182	15.6	32	25.5	1.20	42.7	10.1	-2.1	7.3
99B-295	7.4	7	0.5	3	584	8.8	69	28.5	0.31	27.2	2.9	-2.2	23.0
99B-296	1.0	13	1.3	3	391	7.1	48	30.6	1.61	35.0	2.9	-2.2	11.8
99B-297	2.9	3	0.5	2	470	2.5	43	48.6	0.42	8.9	2.7	-2.2	14.0
99B-298	2.7	3	0.5	3	503	5.7	44	45.3	0.15	24.1	2.6	-2.2	23.3
99B-299	1.9	7	1.1	8	160	21.3	30	30.8	2.05	35.1	11.2	-2.1	6.9
99B-300	2.0	4	0.5	3	260	10.5	40	24.3	0.78	33.7	3.7	-2.2	8.5
99B-301	2.3	2	0.5	3	546	7.5	59	23.8	1.09	27.8	3.4	-2.2	24.2
99B-302	2.1	4	0.5	4	407	2.5	31	20.6	0.31	14.1	4.8	-2.2	11.3
99B-303	2.0	2	0.5	2	469	5.6	48	34.9	0.15	18.9	3.8	-2.2	17.0
99B-304	1.1	3	0.5	4	478	2.5	33	30.1	0.41	17.4	4.3	-2.2	16.6
99B-305	3.4	7	0.5	8	314	14.9	46	29.6	0.87	26.5	7.5	-2.2	10.9
99B-306	1.1	18	2.2	7	117	14.0	24	28.4	0.15	36.7	8.3	-2.0	4.9
99B-307	4.2	25	3.1	19	169	19.1	31	24.4	0.58	24.1	17.2	-1.9	6.9
99B-308	1.6	9	1.4	5	88	2.5	19	40.0	0.15	9.9	8.7	-1.8	2.5
99B-309	1.6	6	0.5	3	484	11.6	86	7.5	0.15	14.9	3.4	-2.1	21.6
99B-310	3.1	6	0.5	3	552	29.1	77	28.4	0.72	27.8	2.9	-2.1	20.1
99B-311	1.1	4	0.5	2	472	2.5	34	27.5	0.15	3.6	0.8	-2.1	7.5
99B-312	0.5	4	0.5	7	184	9.0	30	34.6	1.32	38.3	7.9	-2.1	6.9
99B-313	1.6	32	3.6	11	109	13.3	23	29.1	0.42	33.3	11.8	-1.8	3.9
99B-314-1 Field Duplicate	1.3	6	1.0	3	525	12.8	57	17.9	0.76	30.9	3.7	-2.1	22.4
99B-314-2 Field Duplicate	0.5	6	0.5	4	182	13.0	36	7.5	1.47	37.3	5.7	-2.1	6.2
99B-315	0.5	3	0.5	3	443	8.4	48	27.4	0.52	31.5	3.2	-2.1	21.5
99B-316	1.1	3	3.3	3	437	15.3	70	19.3	0.53	29.5	3.6	-2.1	15.5
99B-318	0.5	6	1.6	8	100	10.0	18	24.7	0.66	46.2	7.7	-2.1	3.1
99B-319	12.4	11	2.0	6	131	8.3	23	7.5	1.84	37.1	8.8	-2.1	4.6
99B-320	9.8	5	0.5	5	404	6.7	51	26.2	0.15	30.6	5.9	-2.1	14.4
99B-322	11.5	2	1.6	2	445	8.2	55	21.5	0.70	31.3	3.1	-2.1	12.5
99B-323	6.4	14	2.6	10	117	11.4	23	22.8	1.26	51.6	13.1	-2.1	3.0
99B-324	6.3	4	0.5	4	168	11.8	31	7.5	1.16	43.7	5.9	-2.1	6.1
99B-325	8.1	3	0.5	4	236	6.6	40	23.4	0.56	31.9	6.6	-2.1	5.8

Sample Site	Bi	Th	U	Fe	Ca	Na	Mg	K	Mn	Si	Al	H^+	K
	ppb	ppb	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	mhos cm^{-1}
99B-326	7.1	13	1.9	6	131	8.4	27	26.4	0.15	31.7	8.8	-2.0	4.6
99B-327	6.1	6	1.1	4	163	6.6	28	17.8	2.07	41.9	7.4	-2.1	6.1
99B-328	8.1	3	0.5	3	195	2.5	36	38.3	0.38	33.4	5.0	-2.1	6.4
99B-329-1 Field Duplicate	5.5	2	0.5	2	466	10.3	57	23.7	1.30	35.9	2.5	-2.1	14.1
99B-329-2 Field Duplicate	5.1	2	0.5	3	527	9.0	64	27.1	1.31	34.9	3.5	-2.1	20.8
99B-330	4.3	6	3.5	7	132	16.6	35	19.1	0.94	45.7	6.9	-2.1	6.5
99B-331	4.7	4	1.3	4	232	18.0	42	22.0	0.85	47.9	4.8	-2.1	8.4
99B-332	5.1	5	1.5	3	172	9.6	32	7.5	1.29	37.7	6.0	-2.1	6.8
99B-333	3.0	10	2.3	7	111	11.6	21	18.2	1.21	52.0	9.6	-2.1	4.4
99B-334	5.3	9	1.5	5	93	2.5	18	27.5	1.18	12.5	7.5	-2.1	2.6
99B-335	2.8	11	2.0	16	152	18.9	38	18.2	0.31	89.7	21.0	-2.1	5.7
99B-337	2.9	5	1.3	4	131	11.5	26	17.9	0.61	39.7	6.0	-2.1	5.9
99B-338	3.6	2	0.5	2	447	6.6	70	24.3	0.71	27.4	2.2	-2.1	23.0
99B-339	2.2	2	0.5	3	318	11.4	46	7.5	1.70	42.0	3.9	-2.1	8.0
99B-340	1.6	7	1.5	6	99	9.7	20	29.0	0.51	40.3	8.0	-2.0	4.1
99B-341	3.7	5	0.5	3	245	5.6	53	22.0	1.59	40.8	4.7	-2.1	9.0
99B-342	35.4	28	2.7	13	1842	6.9	111	30.0	2.08	72.1	18.0	-2.1	23.6
99B-343	11.6	3	1.3	5	524	10.0	65	21.4	1.32	31.5	5.7	-2.1	16.6
99B-344	11.4	5	0.5	4	581	5.4	44	37.6	0.40	23.5	2.4	-2.1	24.5
99B-345	4.4	10	1.8	6	114	9.9	21	26.8	0.48	36.7	7.5	-2.0	4.4
99B-346	7.5	3	1.2	2	512	7.9	55	27.1	0.91	28.8	2.9	-2.1	17.9
99B-347	4.0	3	0.5	4	574	2.5	44	37.1	0.56	12.0	3.4	-2.1	15.7
99B-348	5.0	6	0.5	6	168	2.5	35	23.6	1.63	15.0	8.4	-2.1	4.7
99B-349	4.8	3	0.5	3	528	9.2	62	34.4	0.75	21.8	2.9	-2.1	19.4
99B-350	5.2	3	0.5	3	235	6.5	47	15.8	1.32	27.9	5.2	-2.1	7.4
99B-351	3.1	4	0.5	3	188	7.1	33	20.3	0.97	31.6	5.3	-2.1	6.8

Appendix B-2

Duplicate Pair ICP-MS (Enzyme Leach), ICP-OES, H^+ and *K* Analyses.

Sample Site	UTM		S.Q.Li	S.Q.Cl	S.Q.Ti	V	Mn	Co	Ni	Cu	Zn	Ga	As	Br	Rb	Sr	Y	Zr	Nb	Mo
	Easting	Northing	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
99B-21-1 Field Duplicate	384823.47	6085301.09	20	4697	411	170	1711	37	40	65	49	4.6	28	84	9	151	98	112	1.9	6
99B-21-2 Field Duplicate	384823.47	6085301.09	14	6674	233	141	1428	25	40	65	34	4.1	30	94	8	209	79	91	1.4	8
99B-41-1 Field Duplicate	391167.56	6086589.75	15	1500	201	139	250	5	23	43	52	0.5	22	85	10	186	39	83	1.8	2
99B-41-2 Field Duplicate	391167.56	6086589.75	15	1500	245	155	248	6	28	44	40	0.5	25	107	12	208	42	109	2.2	3
99B-70-1 Field Duplicate	377176.25	6084802.55	21	6024	1307	67	424	11	47	51	43	8.2	18	187	34	105	51	119	5.7	6
99B-70-2 Field Duplicate	377176.25	6084802.55	43	7101	3074	125	567	16	82	86	78	14.5	25	127	61	104	86	287	13.4	6
99B-82-1 Field Duplicate	372516.50	6088851.06	22	4477	641	26	323	5	14	21	56	3.1	14	15	27	144	8	23	2.4	3
99B-82-2 Field Duplicate	372516.50	6088851.06	22	5492	602	28	185	3	14	24	31	4.2	15	15	29	108	9	21	2.1	4
99B-101-1 Field Duplicate	364004.46	6090265.61	5	4088	349	99	572	13	15	26	39	1.9	12	57	9	106	18	31	1.6	9
99B-101-2 Field Duplicate	364004.46	6090265.61	11	6191	208	99	572	10	19	29	40	2.2	17	65	5	250	22	15	1.1	11
99B-124-1 Field Duplicate	362147.22	6090729.66	16	1500	136	106	873	9	14	43	30	0.5	23	323	13	409	12	15	0.5	7
99B-124-2 Field Duplicate	362147.22	6090729.66	12	4135	142	107	562	5	15	50	36	1.7	23	560	17	327	12	14	0.5	9
99B-141-1 Field Duplicate	362142.99	6084076.48	29	1500	473	229	1610	25	37	57	38	3.0	23	176	15	136	38	43	2.3	3
99B-141-2 Field Duplicate	362142.99	6084076.48	31	1500	297	170	1582	24	21	43	35	0.5	18	143	12	120	31	42	1.3	2
99B-151-1 Field Duplicate	379171.14	6087918.37	13	7163	153	162	1198	10	25	73	68	0.5	26	317	10	355	20	15	1.5	15
99B-151-2 Field Duplicate	379171.14	6087918.37	22	1500	193	41	456	3	10	24	202	1.6	10	15	14	233	5	8	0.5	10
99B-219-1 Field Duplicate	367825.77	6068425.98	16	1500	565	72	982	9	21	30	91	3.1	18	79	29	148	17	49	2.1	6
99B-219-2 Field Duplicate	367825.77	6068425.98	15	5471	419	73	1088	10	22	27	74	1.7	17	110	25	177	22	49	1.9	5
99B-230-1 Field Duplicate	355405.44	6076684.24	35	4709	886	167	936	16	34	25	79	7.1	19	96	33	177	30	82	4.3	19
99B-230-2 Field Duplicate	355405.44	6076684.24	45	5743	673	213	1681	22	50	43	60	3.3	27	101	24	184	60	99	3.2	19
99B-248-1 Field Duplicate	363998.87	6080166.06	34	4856	146	175	750	9	19	81	223	0.5	26	150	17	403	17	20	0.5	7
99B-248-2 Field Duplicate	363998.87	6080166.06	30	1500	146	82	666	6	11	69	204	1.7	16	85	13	329	9	12	0.5	5
99B-276-1 Field Duplicate	385148.66	6077248.38	5	3752	251	36	1174	8	11	13	83	2.1	10	45	31	182	70	46	1.5	10
99B-276-2 Field Duplicate	385148.66	6077248.38	11	1500	589	37	1145	17	10	14	36	2.7	11	48	23	129	25	48	2.4	8
99B-292-1 Field Duplicate	372658.22	6079359.51		11519	247	187	691	9	44	87	27	1.9	48	111	14	452	56	38	1.0	9
99B-292-2 Field Duplicate	372658.22	6079359.51		8519	142	180	502	8	38	109	35	0.5	40	96	14	424	33	31	0.5	10
99B-314-1 Field Duplicate	380441.27	6077362.52	20	1500	207	178	639	7	22	73	24	0.5	27	245	6	324	23	40	0.5	4
99B-314-2 Field Duplicate	380441.27	6077362.52	14	3540	297	148	1246	18	33	60	38	1.0	19	157	7	160	41	50	1.2	3

Sample Site	UTM		S.Q.Li	S.Q.Cl	S.Q.Ti	V	Mn	Co	Ni	Cu	Zn	Ga	As	Br	Rb	Sr	Y	Zr	Nb	Mo
	Easting	Northing	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
99B-329-1 Field Duplicate	373524.62	6072776.30	21	4125	161	136	1157	8	48	74	57	1.2	20	101	8	313	20	21	0.5	11
99B-329-2 Field Duplicate	373524.62	6072776.30	25	3653	151	133	1124	8	38	74	55	1.8	21	80	8	317	16	12	0.5	12

Sample Site	Cd	In	Sb	I	Cs	Ba	La	Ce	Pr	Nd	Sm	Eu	Gd	Tb	Dy	Ho	Er	Tm	Yb	Lu	TREE	Hf	W	Pb
	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
99B-21-1 Field Duplicate	0.1	0.1	1.0	92	0.5	156	127	194	40	159	29	5.6	23	3.3	16.7	3.6	10.0	1.3	8.6	1.4	623.0	1.8	2	4
99B-21-2 Field Duplicate	0.5	0.1	0.5	94	0.5	174	99	146	31	129	24	4.5	20	2.8	13.9	2.9	8.5	1.1	7.4	1.0	491.2	1.4	4	4
99B-41-1 Field Duplicate	0.3	0.1	0.5	100	0.5	145	65	73	17	70	12	2.3	10	1.5	7.7	1.5	4.5	0.5	4.1	0.5	269.6	1.7	2	2
99B-41-2 Field Duplicate	0.1	0.1	0.5	113	0.5	147	62	85	17	70	13	2.6	11	1.6	8.3	1.7	5.1	0.5	4.3	0.5	282.8	2.2	3	2
99B-70-1 Field Duplicate	0.7	0.1	0.5	156	1.3	275	79	96	20	79	14	2.6	12	1.6	8.9	1.7	5.5	0.5	4.6	0.5	325.7	2.0	3	10
99B-70-2 Field Duplicate	0.6	0.1	1.1	92	3.0	339	124	210	34	134	24	4.6	21	3.2	16.7	3.4	9.2	1.4	8.7	1.2	594.8	4.5	3	19
99B-82-1 Field Duplicate	0.1	0.1	0.5	67	0.5	143	14	30	3	17	2	0.5	2	0.5	1.3	0.5	0.5	0.5	0.5	0.5	73.2	0.5	2	6
99B-82-2 Field Duplicate	0.2	0.1	0.5	64	0.5	117	18	33	3	20	2	0.5	2	0.5	1.3	0.5	0.5	0.5	0.5	0.5	83.0	0.5	2	6
99B-101-1 Field Duplicate	0.2	0.4	0.5	57	0.5	177	28	62	9	34	7	1.6	5	0.5	3.7	0.5	2.1	0.5	2.0	0.5	157.3	0.5	3	9
99B-101-2 Field Duplicate	0.3	0.3	0.5	63	0.5	202	38	48	10	41	7	1.5	6	0.5	4.0	0.5	2.1	0.5	1.8	0.5	162.1	0.5	2	4
99B-124-1 Field Duplicate	0.5	0.1	0.5	66	0.5	224	22	28	5	21	3	0.5	3	0.5	1.9	0.5	0.5	0.5	0.5	0.5	87.3	0.5	5	2
99B-124-2 Field Duplicate	0.3	0.1	0.5	65	0.5	161	21	24	5	21	3	0.5	3	0.5	2.1	0.5	1.1	0.5	0.5	0.5	82.1	0.5	4	2
99B-141-1 Field Duplicate	0.4	0.1	1.2	90	0.5	169	48	58	16	67	11	2.1	10	1.2	6.8	1.2	3.8	0.5	3.4	0.5	230.6	0.5	2	8
99B-141-2 Field Duplicate	0.1	0.1	1.1	86	0.5	156	36	61	14	58	11	2.1	9	1.1	6.5	1.1	3.7	0.5	3.5	0.5	207.6	0.5	2	5
99B-151-1 Field Duplicate	0.6	0.3	1.0	76	0.5	169	29	26	7	28	5	0.5	4	0.5	3.0	0.5	1.7	0.5	1.5	0.5	106.9	0.5	3	2
99B-151-2 Field Duplicate	0.6	0.1	0.5	17	0.5	155	10	12	2	8	1	0.5	1	0.5	0.5	0.5	0.5	0.5	0.5	0.5	37.4	0.5	2	2
99B-219-1 Field Duplicate	0.7	0.1	0.5	39	0.5	130	31	51	8	32	5	0.5	4	0.5	3.2	0.5	1.7	0.5	1.4	0.5	141.1	0.5	2	4
99B-219-2 Field Duplicate	1.1	0.1	0.5	41	0.5	127	39	69	10	41	7	1.1	6	0.5	4.2	0.5	2.1	0.5	1.9	0.5	182.2	0.5	1	4
99B-230-1 Field Duplicate	2.1	0.4	0.5	68	0.5	240	37	103	15	52	11	3.5	9	2.5	6.3	1.9	3.9	0.5	3.9	1.5	253.1	1.3	2	7
99B-230-2 Field Duplicate	0.4	0.5	0.5	90	0.5	270	74	142	24	90	17	4.0	14	2.8	10.9	2.6	6.7	1.0	6.6	1.6	397.5	1.5	3	6
99B-248-1 Field Duplicate	0.8	0.1	2.2	63	0.5	216	30	45	8	31	5	0.5	4	0.5	3.2	0.5	1.6	0.5	1.5	0.5	132.3	0.5	2	2
99B-248-2 Field Duplicate	0.1	0.1	1.1	37	0.5	178	18	32	4	17	3	0.5	2	0.5	1.7	0.5	0.5	0.5	0.5	0.5	81.5	0.5	3	3
99B-276-1 Field Duplicate	1.0	0.3	0.5	59	0.5	188	109	226	30	123	22	4.4	18	2.8	13.8	2.7	7.4	1.1	6.3	1.0	568.4	0.5	3	4
99B-276-2 Field Duplicate	1.2	0.2	0.5	78	0.5	334	42	152	14	54	10	2.1	8	1.3	6.0	1.2	3.4	0.5	2.9	0.5	298.3	1.1	5	5
99B-292-1 Field Duplicate	0.8	0.1	1.4	104	0.5	262	77	90	21	84	14	2.8	12	1.6	8.8	1.6	5.1	0.5	4.3	0.5	323.0	0.5	4	2
99B-292-2 Field Duplicate	1.1	0.1	1.5	110	0.5	222	48	51	12	51	8	1.5	7	0.5	5.4	0.5	2.9	0.5	2.5	0.5	192.1	0.5	5	2
99B-314-1 Field Duplicate	0.4	0.1	1.2	190	0.5	181	36	39	8	36	6	0.5	5	0.5	3.8	0.5	2.1	0.5	1.9	0.5	140.6	0.5	4	3
99B-314-2 Field Duplicate	0.6	0.1	0.5	135	0.5	155	63	69	16	66	11	2.0	9	1.2	6.9	1.3	4.0	0.5	3.4	0.5	254.2	0.5	7	4

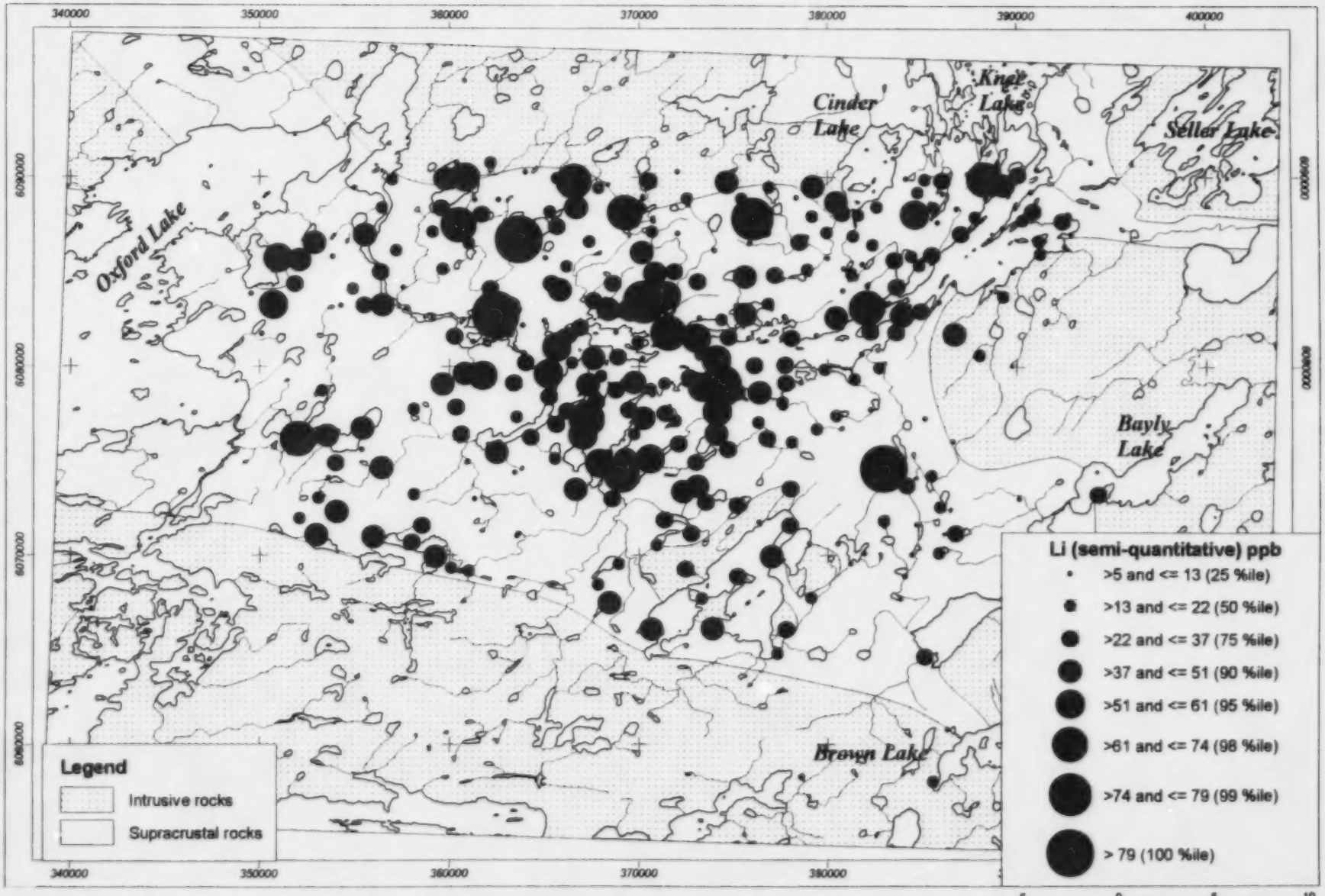
Sample Site	Cd	In	Sb	I	Cs	Ba	La	Ce	Pr	Nd	Sm	Eu	Gd	Tb	Dy	Ho	Er	Tm	Yb	Lu	TREE	Hf	W	Pb
	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
99B-329-1 Field Duplicate	0.5	0.1	1.3	130	0.5	189	34	21	8	32	5	0.5	4	0.5	3.4	0.5	1.9	0.5	1.7	0.5	114.0	0.5	5	2
99B-329-2 Field Duplicate	0.2	0.1	1.4	135	0.5	231	30	22	7	27	4	0.5	4	0.5	2.7	0.5	1.5	0.5	1.1	0.5	102.8	0.5	5	2

ICP-OES

Sample Site	Bi	Th	U	Fe	Ca	Na	Mg	K	Mn	Si	Al	H*	K
	ppb	ppb	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	mhos cm^{-1}
99B-21-1 Field Duplicate	1.4	10	1.4	5	132	6.2	24	7.5	1.58	36.6	7.5	-1.8	5.2
99B-21-2 Field Duplicate	1.8	6	1.1	4	200	6.7	35	7.5	1.29	30.2	5.7	-1.9	7.9
99B-41-1 Field Duplicate	1.2	9	2.8	9	258	6.6	40	20.3	0.35	29.6	8.0	-2.0	8.4
99B-41-2 Field Duplicate	1.5	12	4.3	8	230	6.7	36	17.3	0.15	26.5	7.5	-2.0	8.0
99B-70-1 Field Duplicate	2.4	18	1.7	19	143	2.5	27	7.5	0.41	54.4	20.9	-2.0	6.8
99B-70-2 Field Duplicate	1.7	40	4.0	33	76	9.3	18	7.5	0.54	101.9	34.3	-1.9	5.4
99B-82-1 Field Duplicate	0.5	4	0.5	6	268	2.5	41	7.5	0.32	21.5	8.0	-1.9	18.9
99B-82-2 Field Duplicate	0.5	3	0.5	6	183	2.5	22	7.5	0.15	24.0	7.8	-1.9	19.7
99B-101-1 Field Duplicate	2.3	4	0.5	5	109	9.5	30	7.5	0.51	29.9	6.1	-2.0	4.1
99B-101-2 Field Duplicate	3.0	2	0.5	3	352	7.9	60	7.5	0.55	26.0	4.3	-2.0	10.0
99B-124-1 Field Duplicate	2.3	2	0.5	3	630	2.5	62	34.9	0.92	19.2	3.6	-2.0	22.2
99B-124-2 Field Duplicate	3.1	2	0.5	4	543	2.5	55	33.9	0.57	18.0	2.4	-2.0	22.0
99B-141-1 Field Duplicate	0.5	4	0.5	6	124	9.2	25	7.5	1.78	52.0	6.8	-2.2	3.7
99B-141-2 Field Duplicate	0.5	2	0.5	4	117	10.9	21	21.7	1.94	40.5	4.6	-2.2	3.4
99B-151-1 Field Duplicate	6.8	2	0.5	2	521	7.3	95	25.7	1.26	24.6	1.0	-2.3	20.7
99B-151-2 Field Duplicate	2.1	1	0.5	3	451	2.5	33	41.0	0.51	10.2	2.7	-2.3	16.9
99B-219-1 Field Duplicate	2.1	7	0.5	7	169	2.5	36	26.1	1.14	31.4	9.5	-2.3	5.9
99B-219-2 Field Duplicate	2.1	6	0.5	5	204	2.5	42	24.3	1.20	23.0	7.2	-2.3	6.5
99B-230-1 Field Duplicate	4.1	11	1.2	9	120	12.0	26	7.5	0.83	39.1	10.5	-2.0	4.9
99B-230-2 Field Duplicate	5.0	11	1.4	6	126	10.5	25	7.5	1.46	33.2	7.0	-2.0	5.9
99B-248-1 Field Duplicate	3.8	4	0.5	2	592	5.3	66	26.3	0.78	23.6	2.3	-2.1	23.4
99B-248-2 Field Duplicate	3.6	3	0.5	2	619	2.5	56	25.1	0.71	12.0	2.0	-2.1	21.1
99B-276-1 Field Duplicate	8.9	13	1.7	5	92	2.5	18	27.2	1.29	24.1	12.4	-2.1	3.0
99B-276-2 Field Duplicate	7.7	12	2.3	5	87	2.5	18	22.5	1.25	18.0	9.2	-2.1	2.9
99B-292-1 Field Duplicate	5.8	4	0.5	4	529	8.5	52	47.1	0.63	28.4	3.3	-2.2	18.2
99B-292-2 Field Duplicate	4.4	5	0.5	2	584	7.3	53	35.1	0.51	26.1	2.1	-2.2	27.5
99B-314-1 Field Duplicate	1.3	6	1.0	3	525	12.8	57	17.9	0.76	30.9	3.7	-2.1	22.4
99B-314-2 Field Duplicate	0.5	6	0.5	4	182	13.0	36	7.5	1.47	37.3	5.7	-2.1	6.2

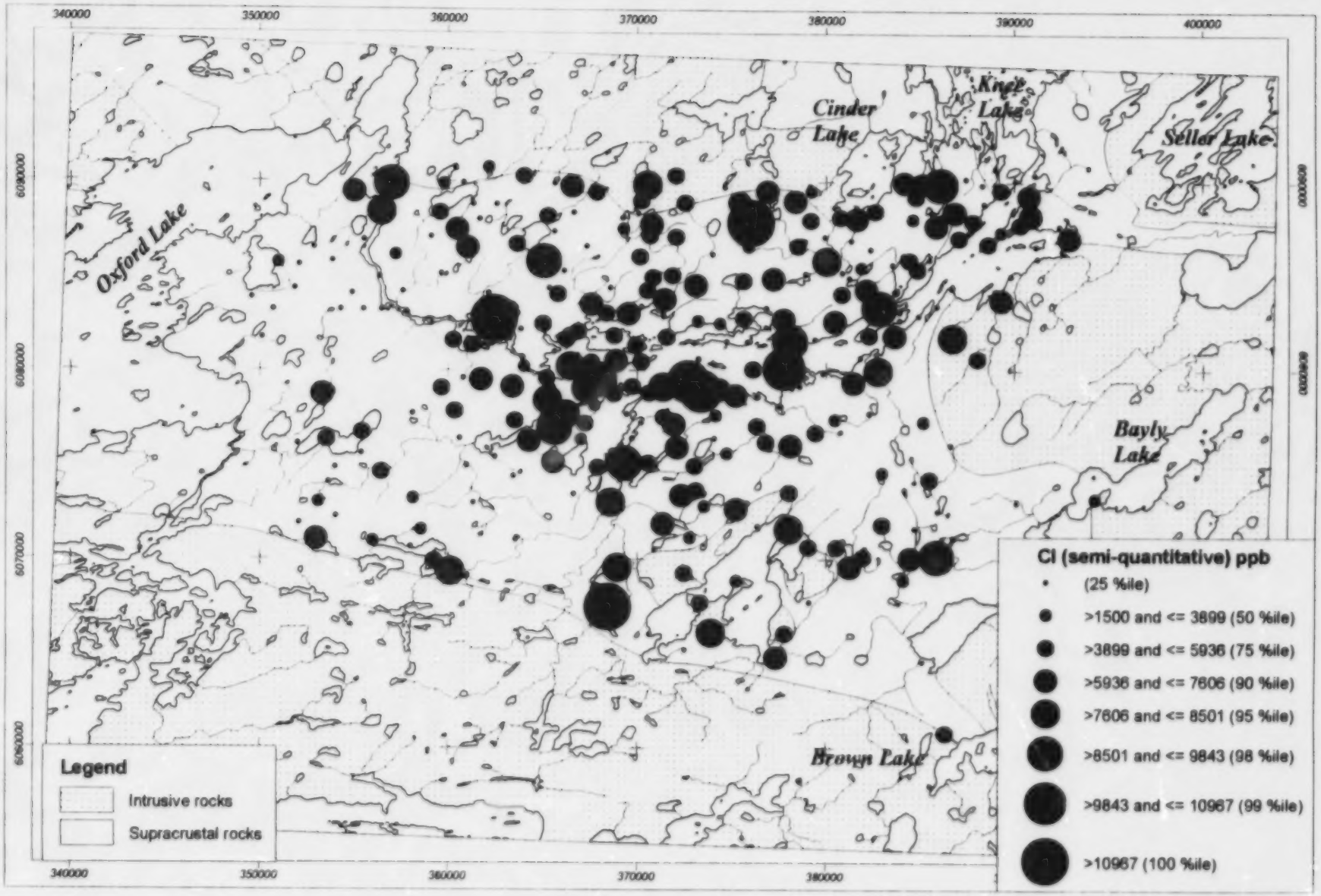
Sample Site	Bi	Th	U	Fe	Ca	Na	Mg	K	Mn	Si	Al	H+	K
	ppb	ppb	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	mhos cm^{-1}
99B-329-1 Field Duplicate	5.5	2	0.5	2	466	10.3	57	23.7	1.30	35.9	2.5	-2.1	14.1
99B-329-2 Field Duplicate	5.1	2	0.5	3	527	9.0	64	27.1	1.31	34.9	3.5	-2.1	20.8

ICP-MS (Enzyme Leach), ICP-OES, H^+ and *K* Analyses Percentile Bubble Plots.



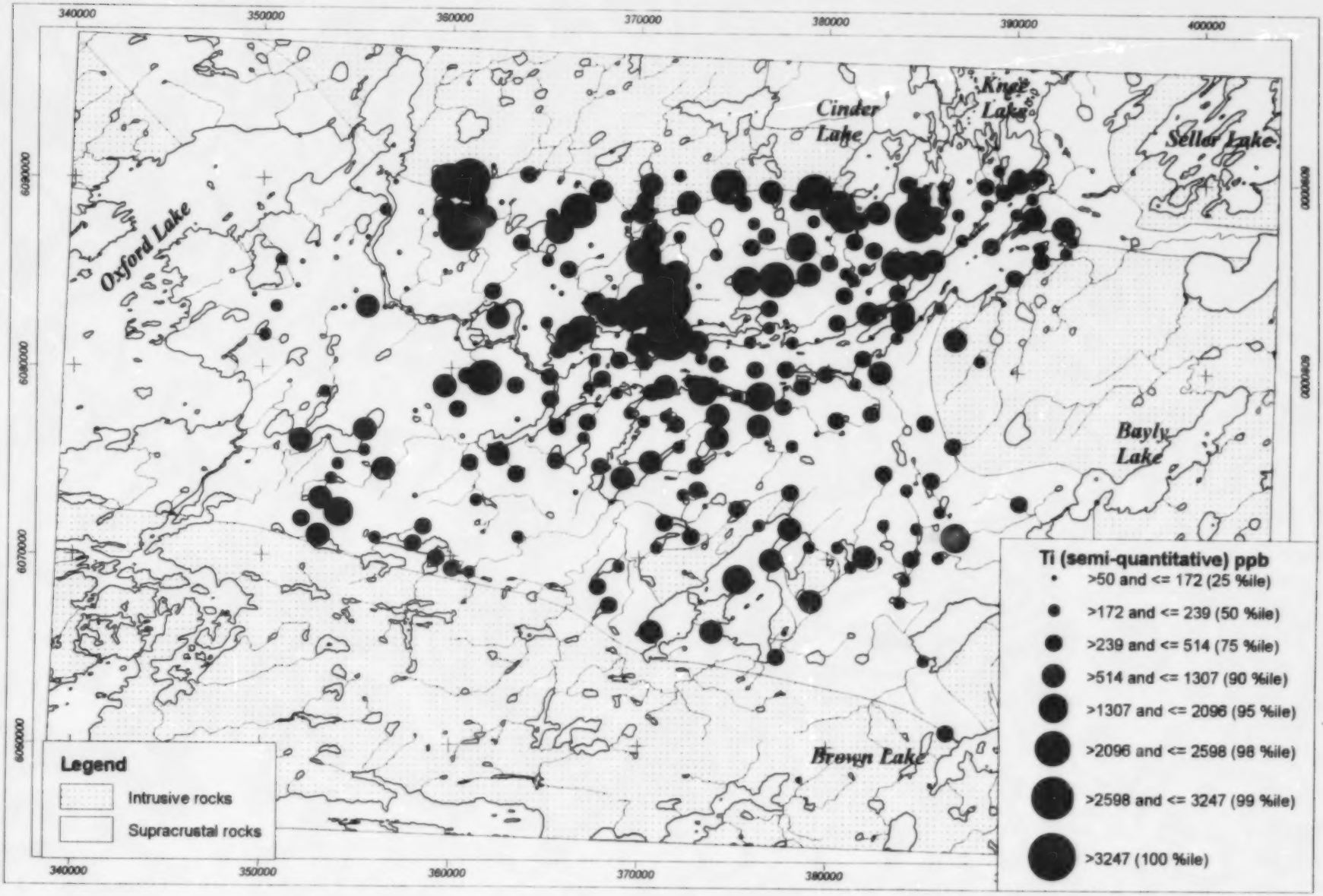
B-horizon soil (-60 mesh) - 298 samples
Enzyme Leach - ICP-MS

Appendix B-3-1



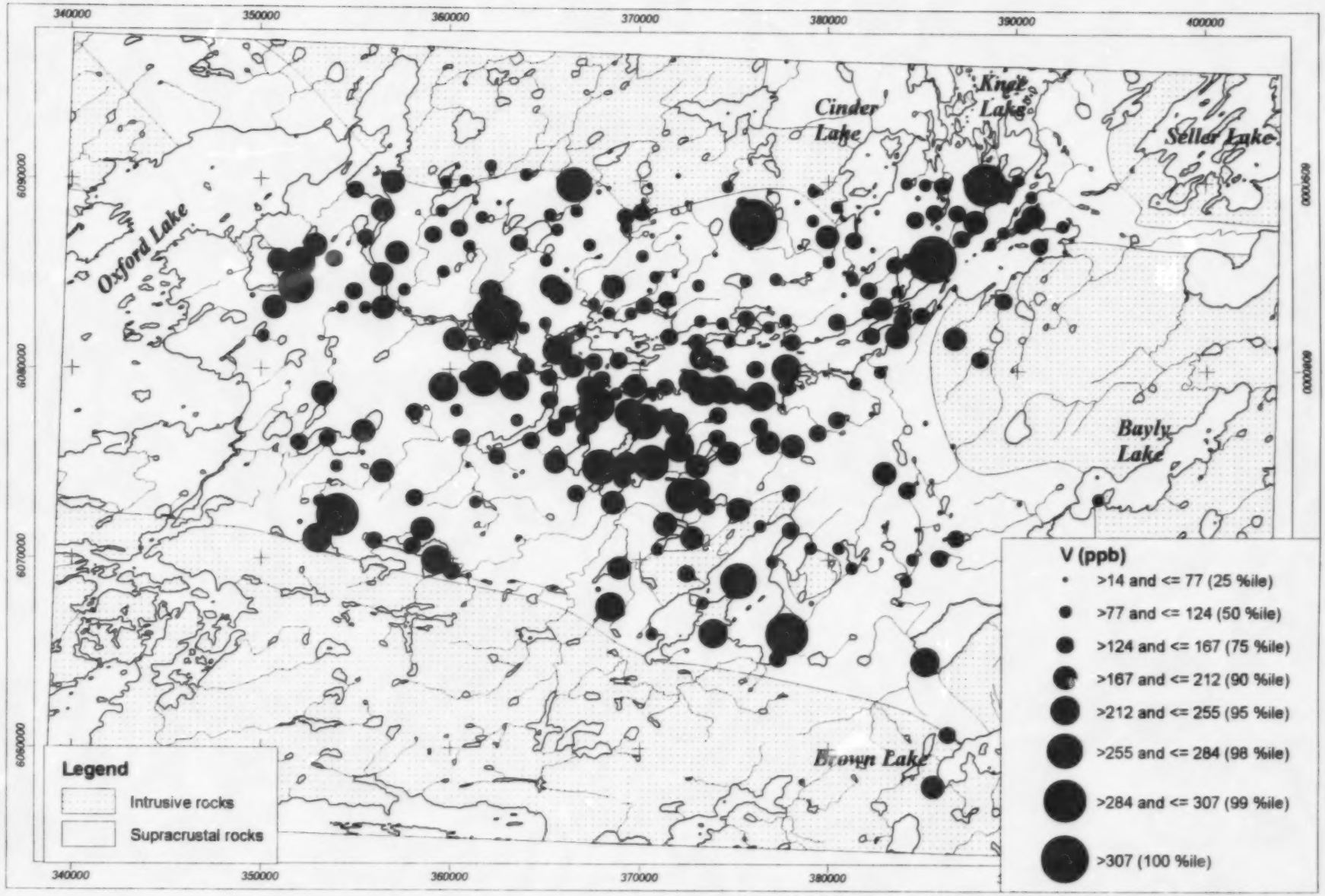
B-horizon soil (-60 mesh) - 298 samples
Enzyme Leach - ICP-MS

Appendix B-3-2



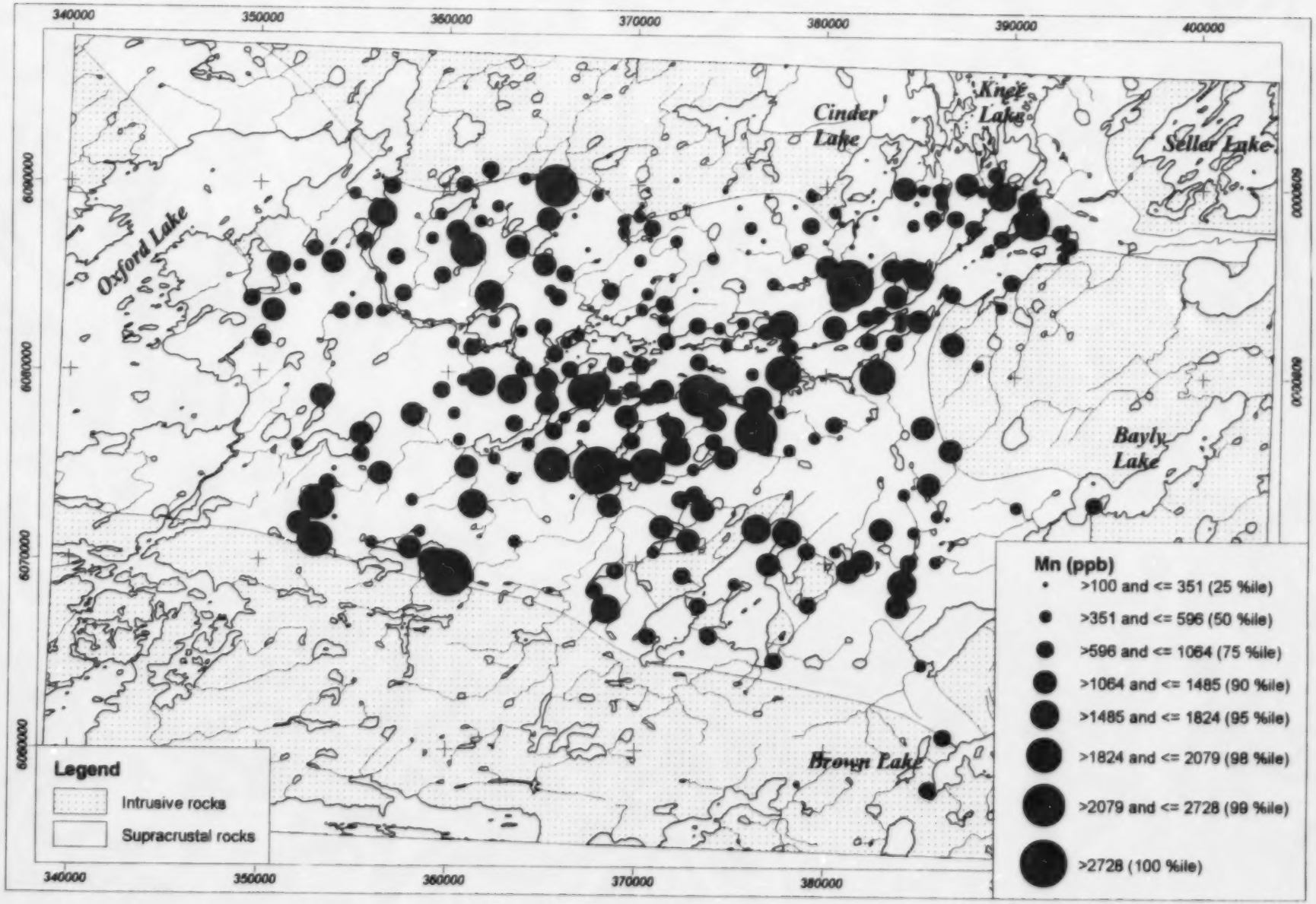
B-horizon soil (-60 mesh) - 298 samples
Enzyme Leach - ICP-MS

Appendix B-3-3



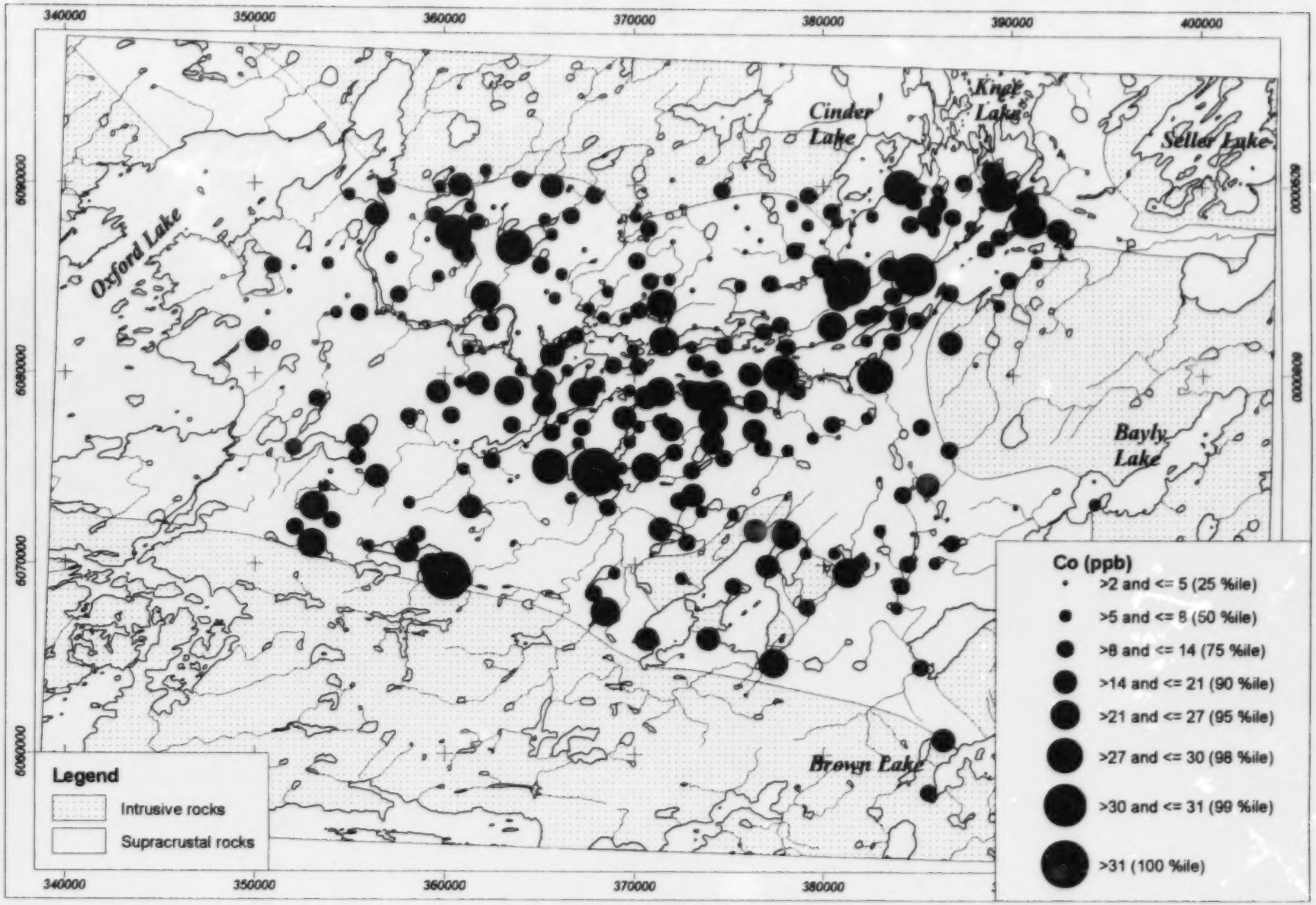
B-horizon soil (-60 mesh) - 298 samples
Enzyme Leach - ICP-MS

Appendix B-3-4



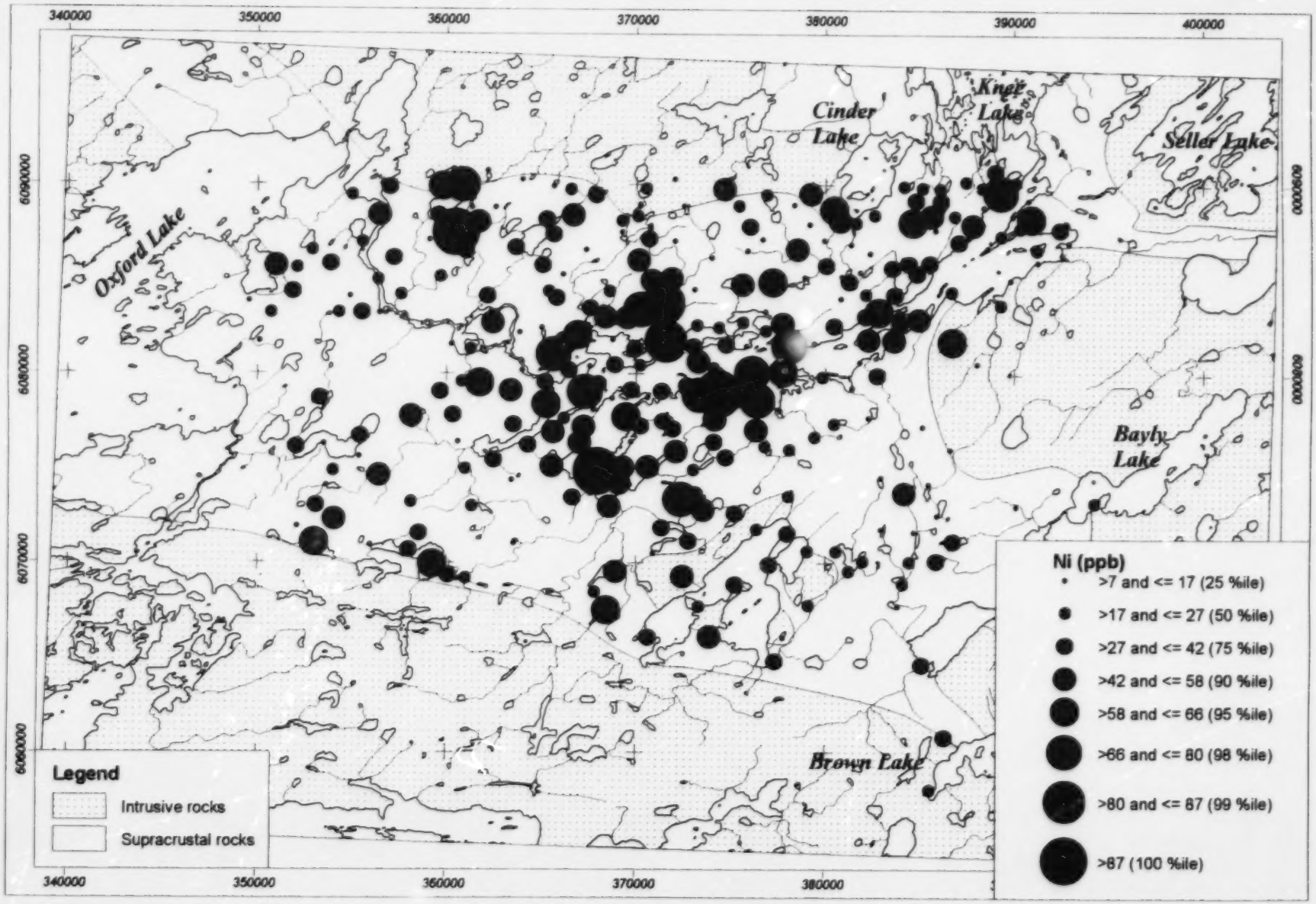
B-horizon soil (-60 mesh) - 298 samples
Enzyme Leach - ICP-MS

Appendix B-3-5



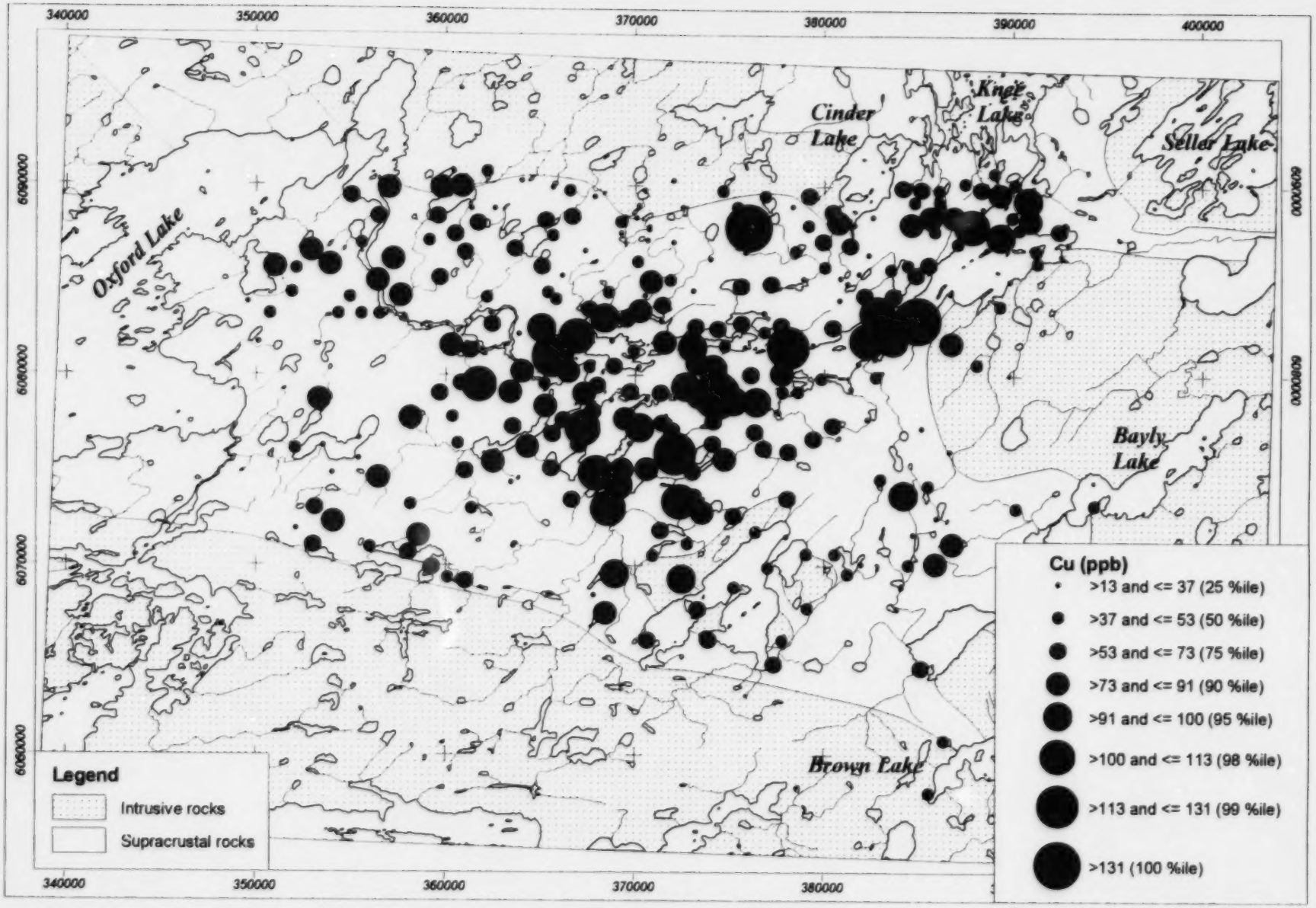
B-horizon soil (-60 mesh) - 298 samples
Enzyme Leach - ICP-MS

Appendix B-3-6



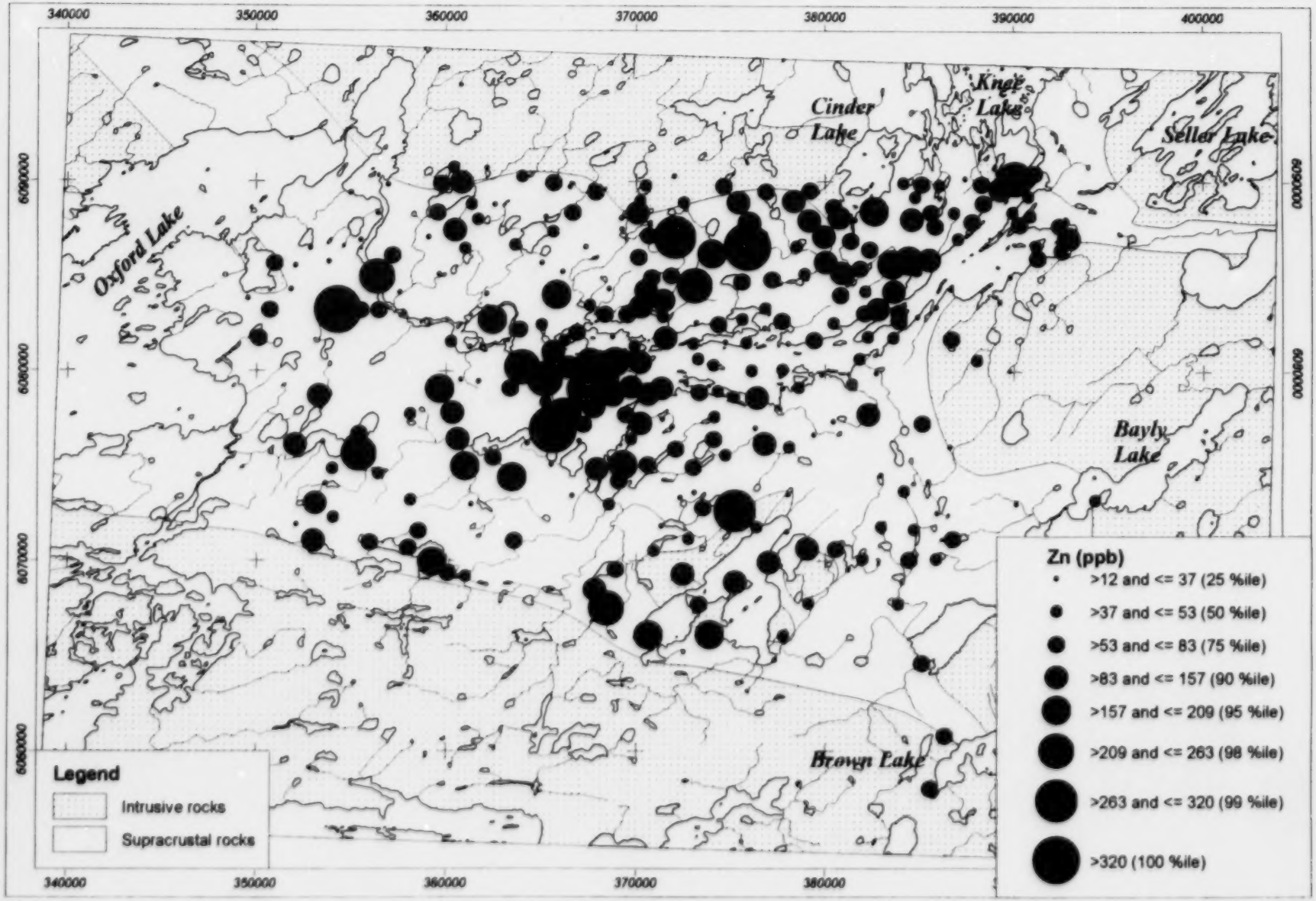
B-horizon soil (-60 mesh) - 298 samples
Enzyme Leach - ICP-MS

Appendix B-3-7



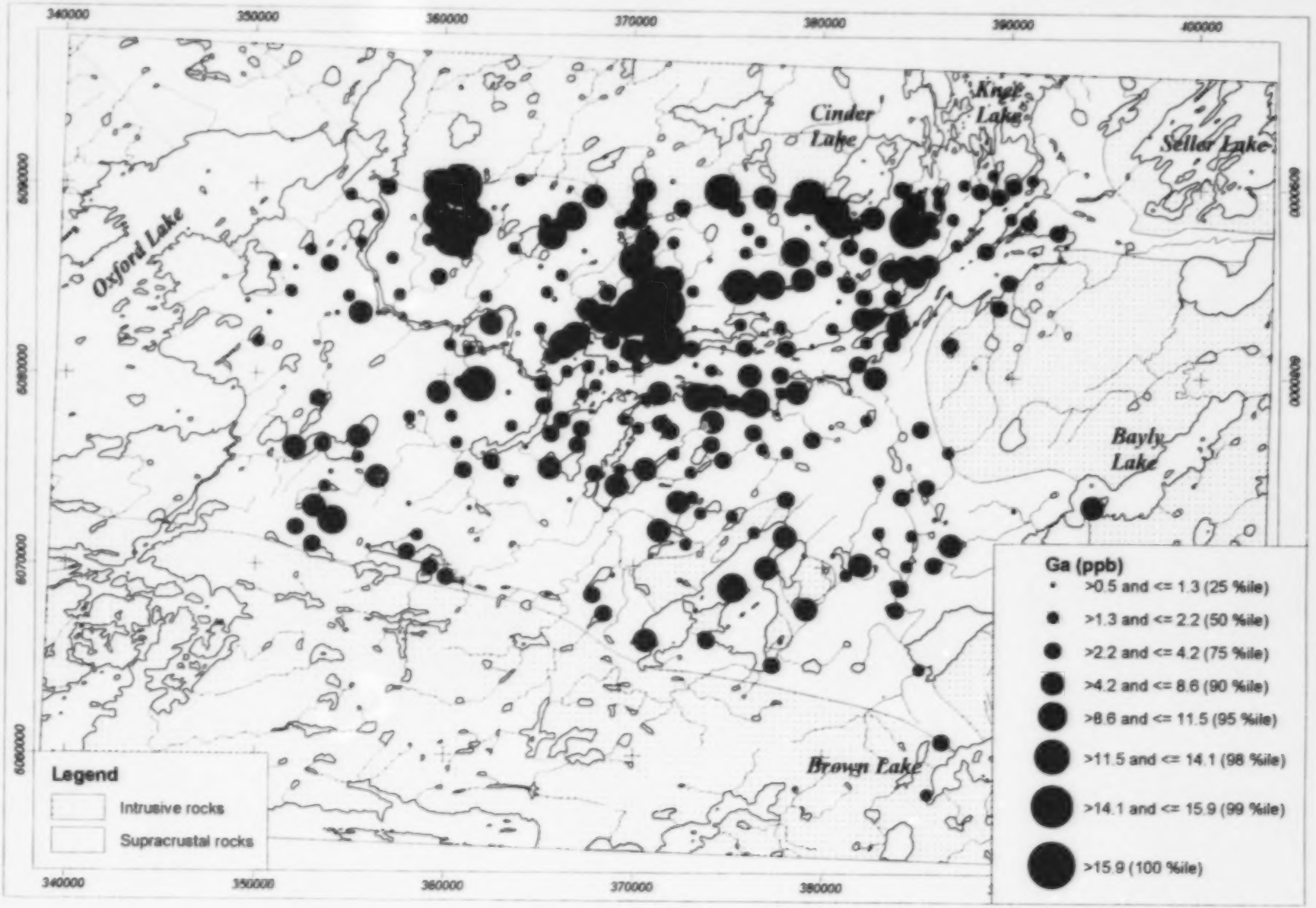
B-horizon soil (-60 mesh) - 298 samples
Enzyme Leach - ICP-MS

Appendix B-3-8



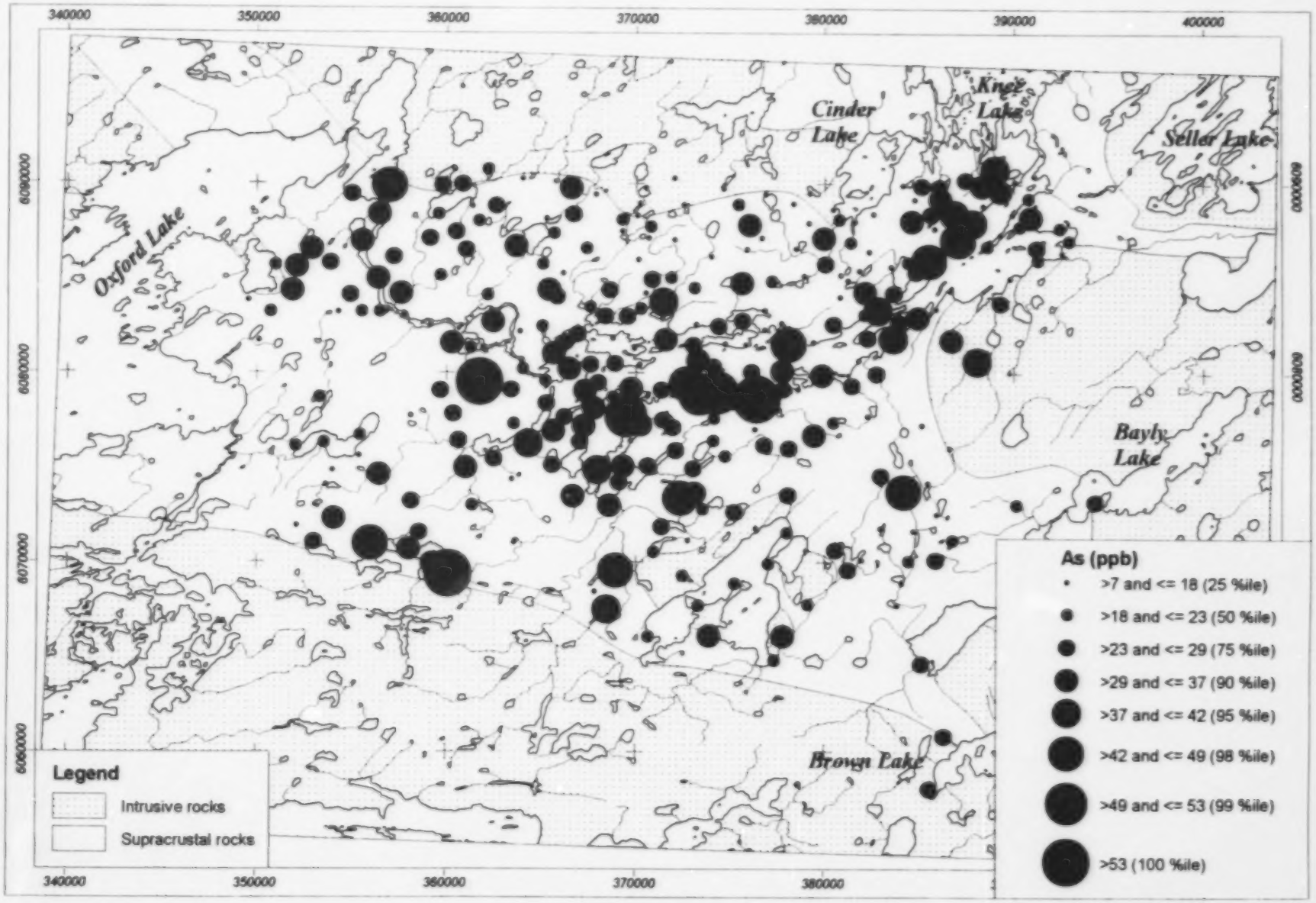
B-horizon soil (-60 mesh) - 298 samples
Enzyme Leach - ICP-MS

Appendix B-3-9



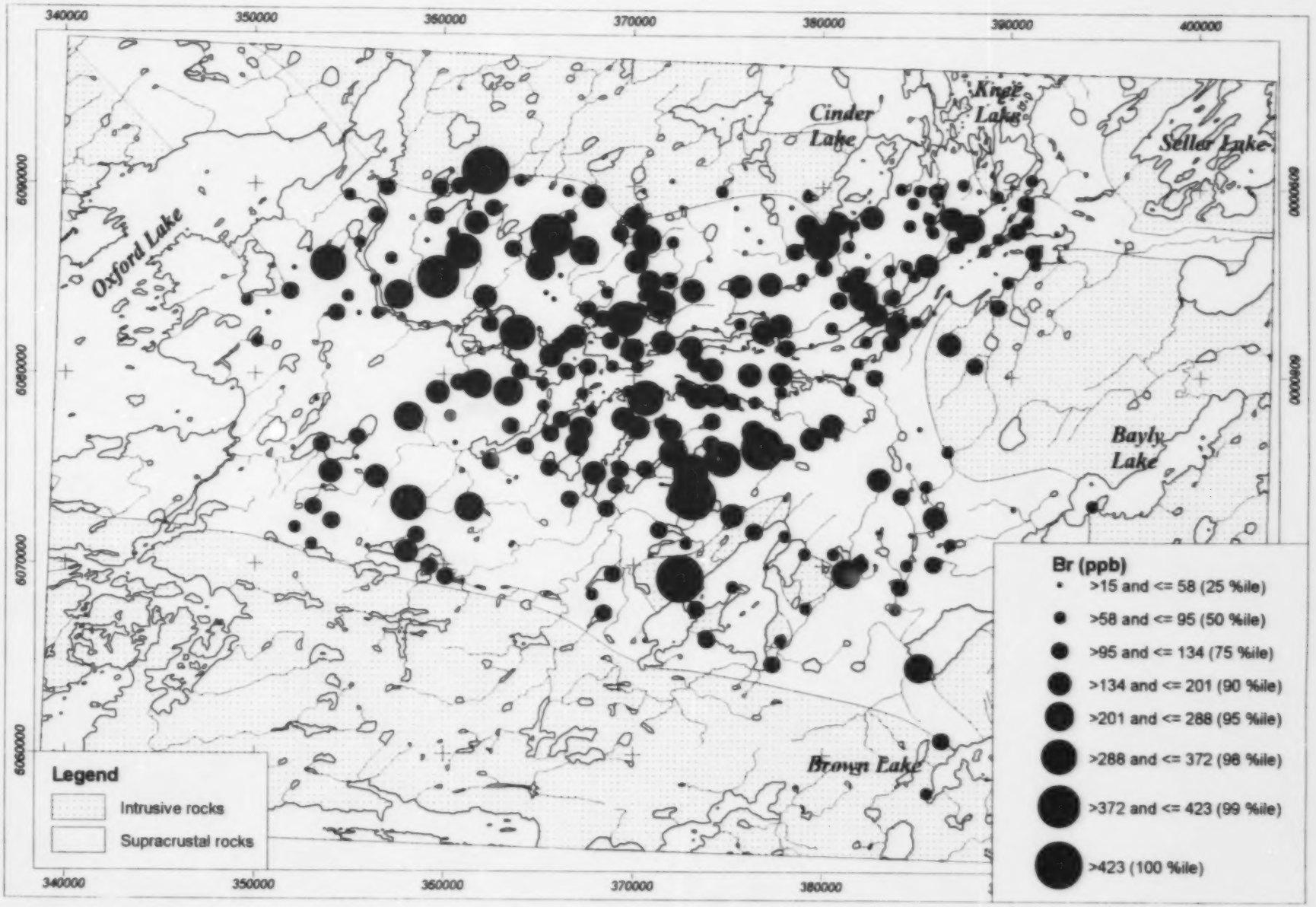
B-horizon soil (-60 mesh) - 298 samples
Enzyme Leach - ICP-MS

Appendix B-3-10



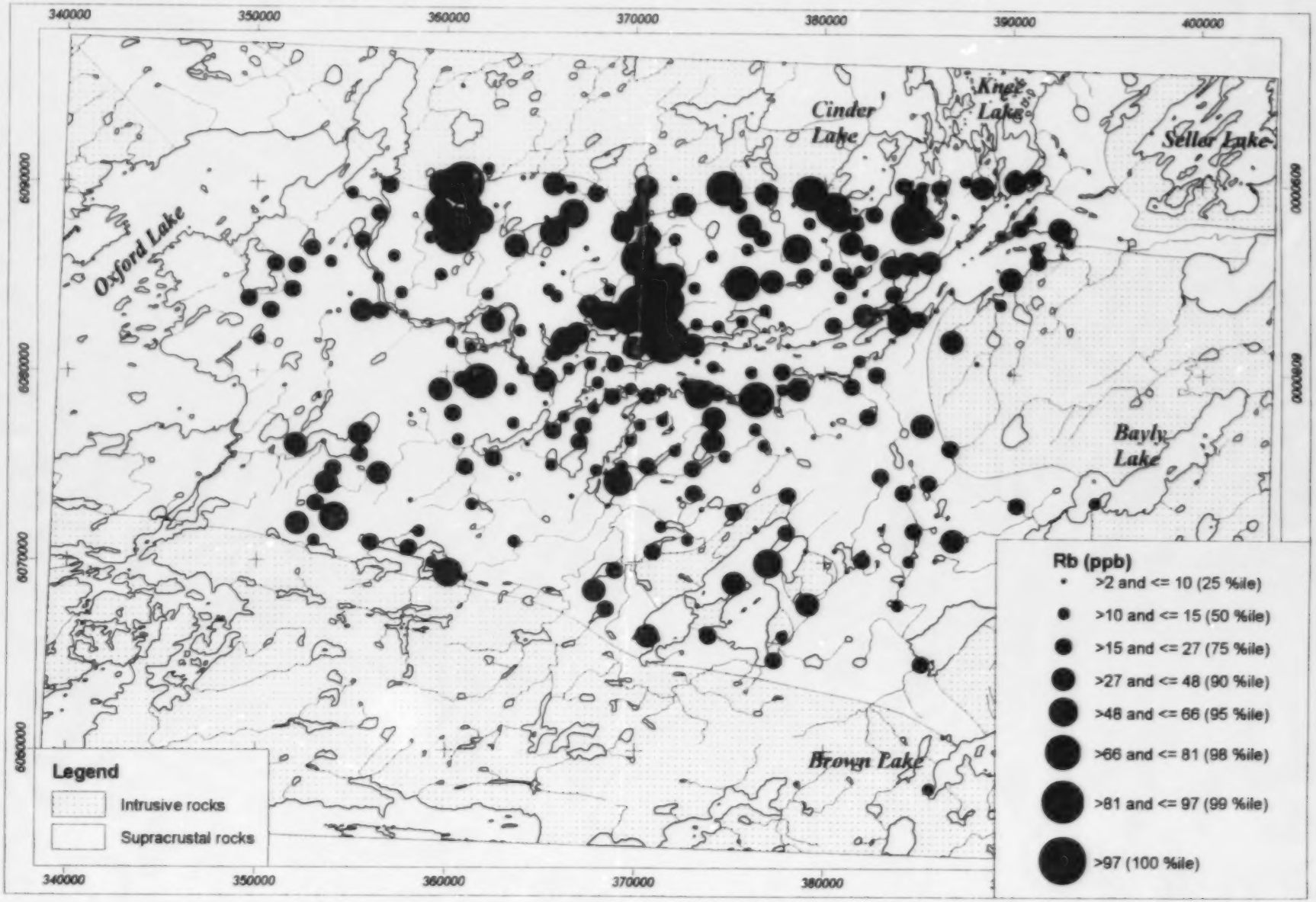
B-horizon soil (-60 mesh) - 298 samples
Enzyme Leach - ICP-MS

Appendix B-3-11



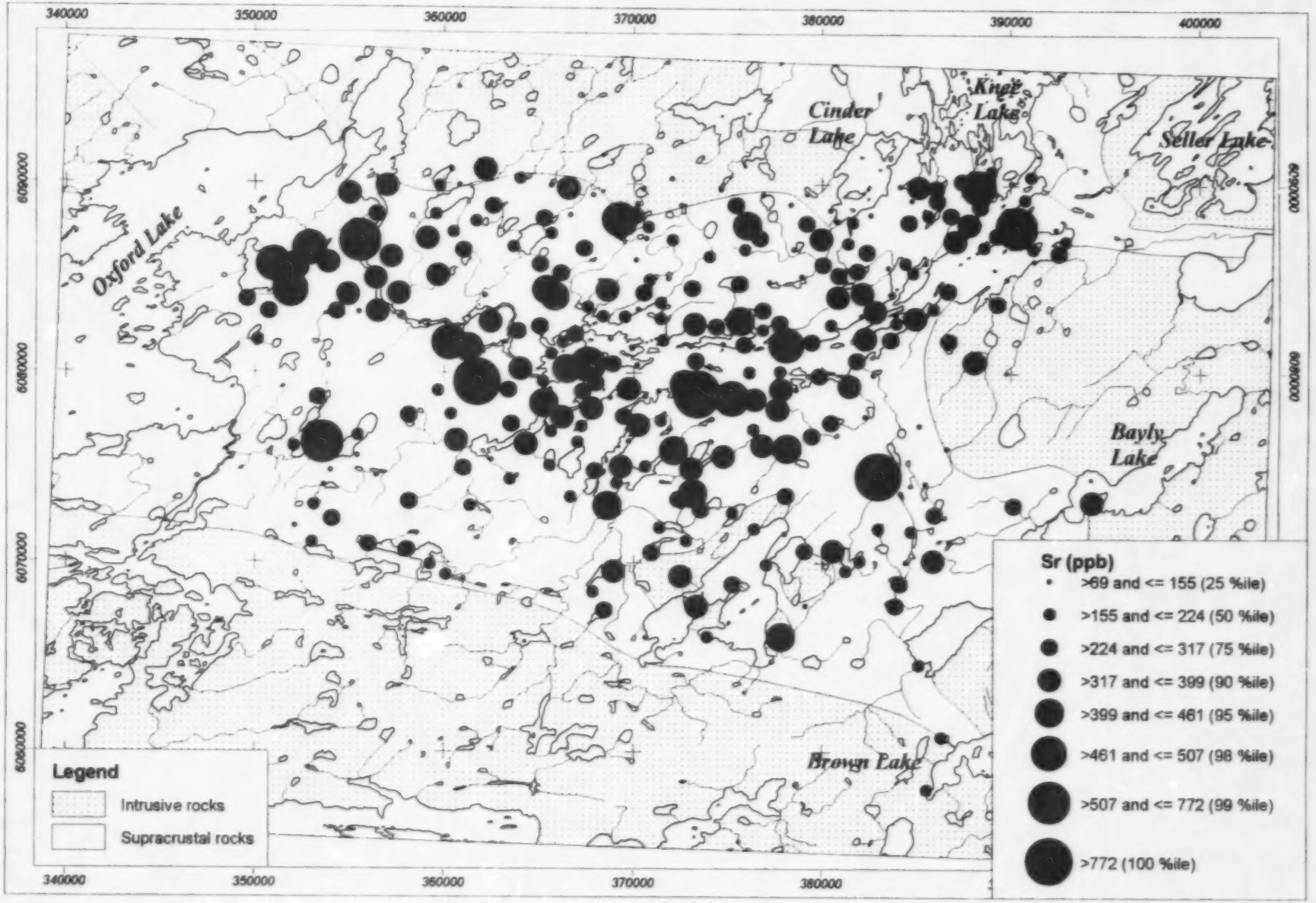
B-horizon soil (-60 mesh) - 298 samples
Enzyme Leach - ICP-MS

Appendix B-3-12



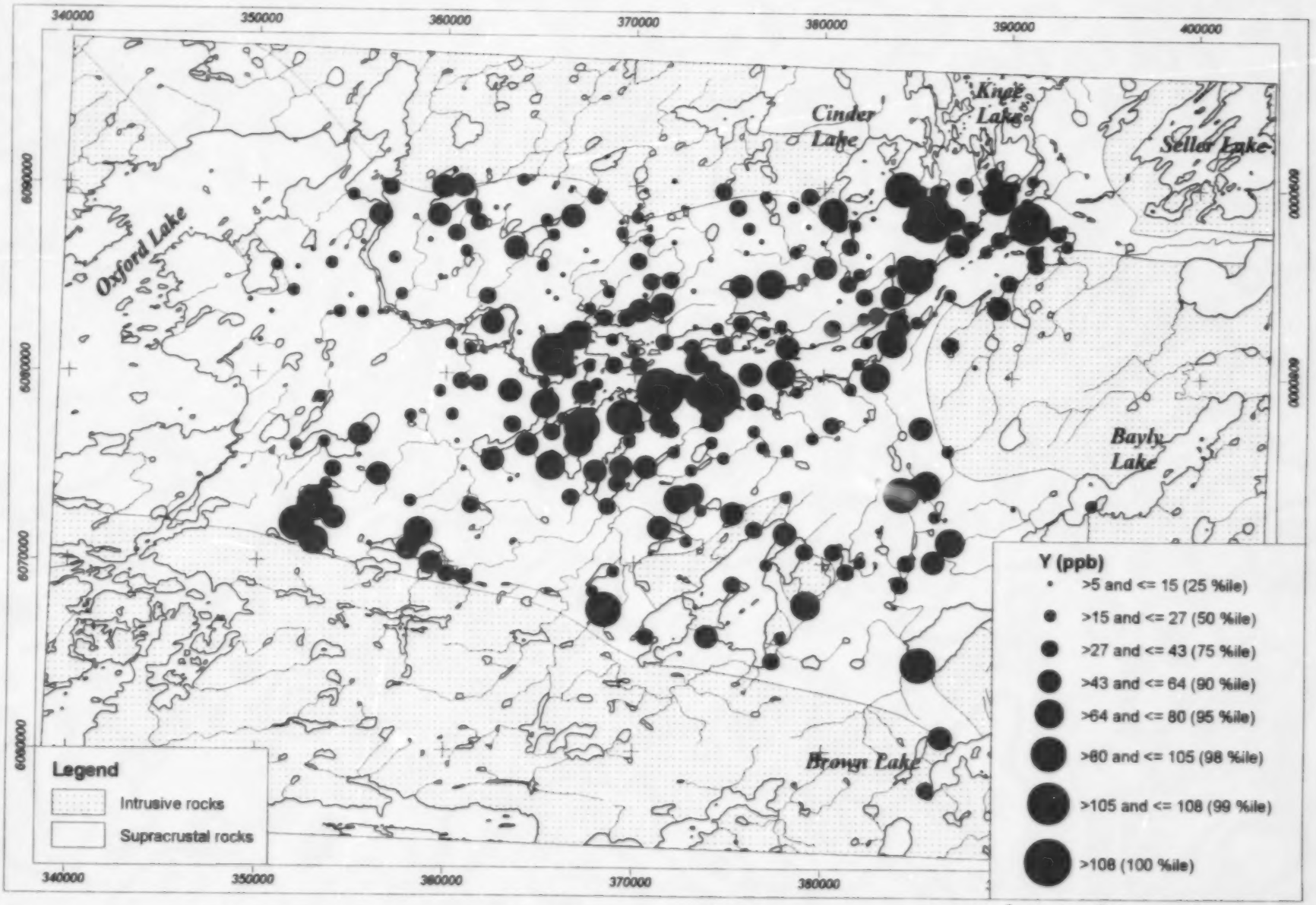
B-horizon soil (-60 mesh) - 298 samples
Enzyme Leach - ICP-MS

Appendix B-3-13



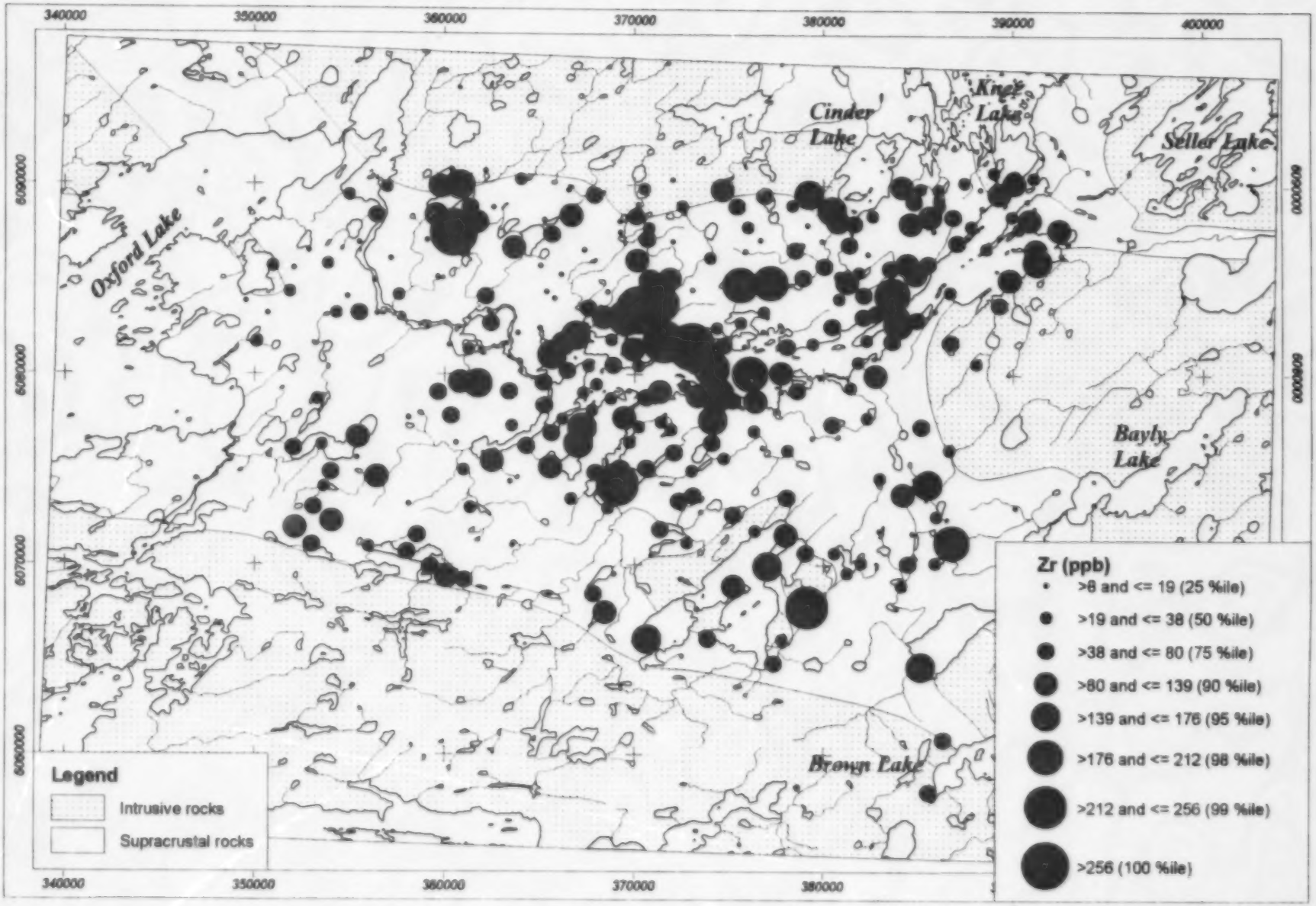
B-horizon soil (-60 mesh) - 298 samples
Enzyme Leach - ICP-MS

Appendix B-3-14



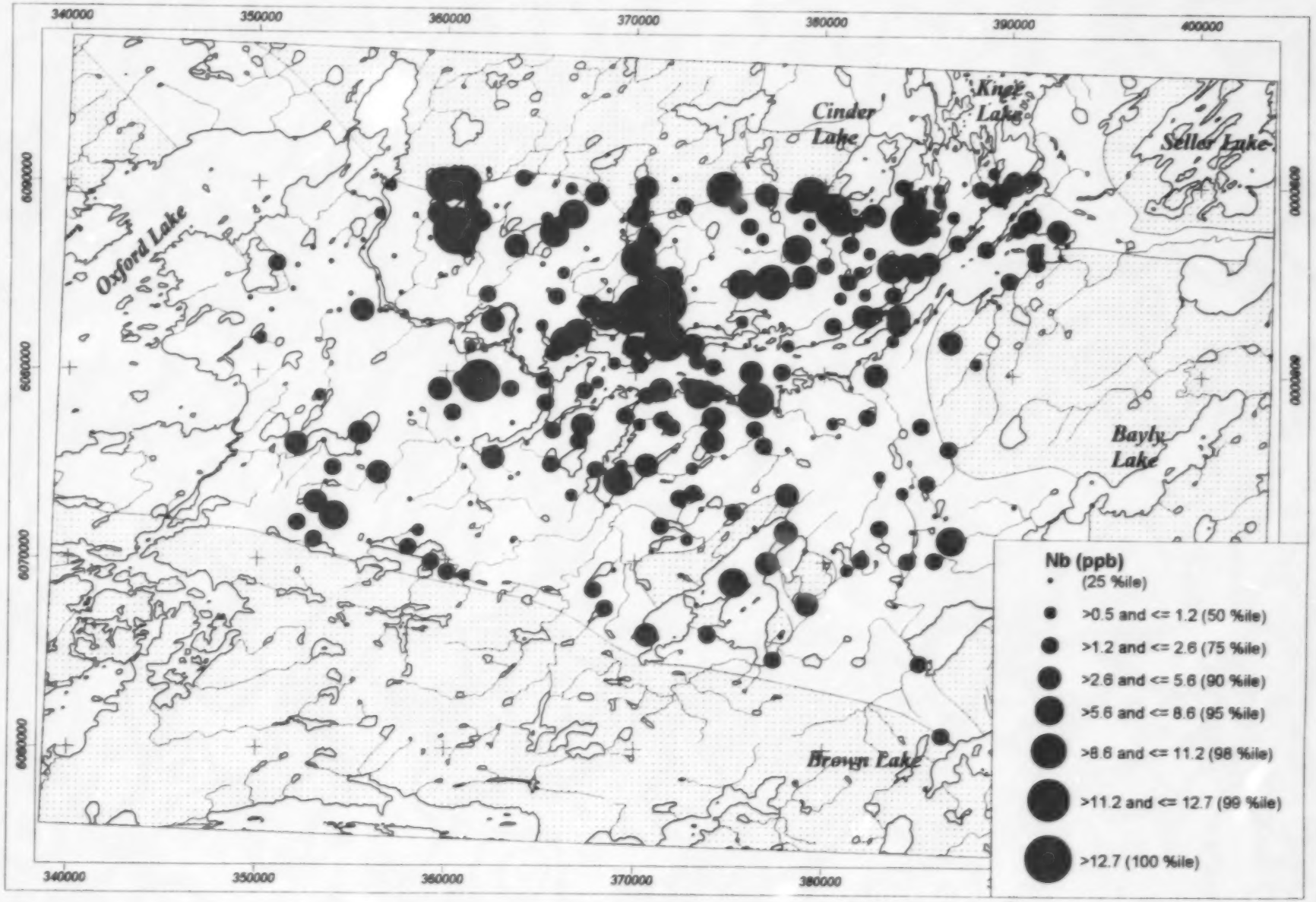
B-horizon soil (-60 mesh) - 298 samples
Enzyme Leach - ICP-MS

Appendix B-3-15



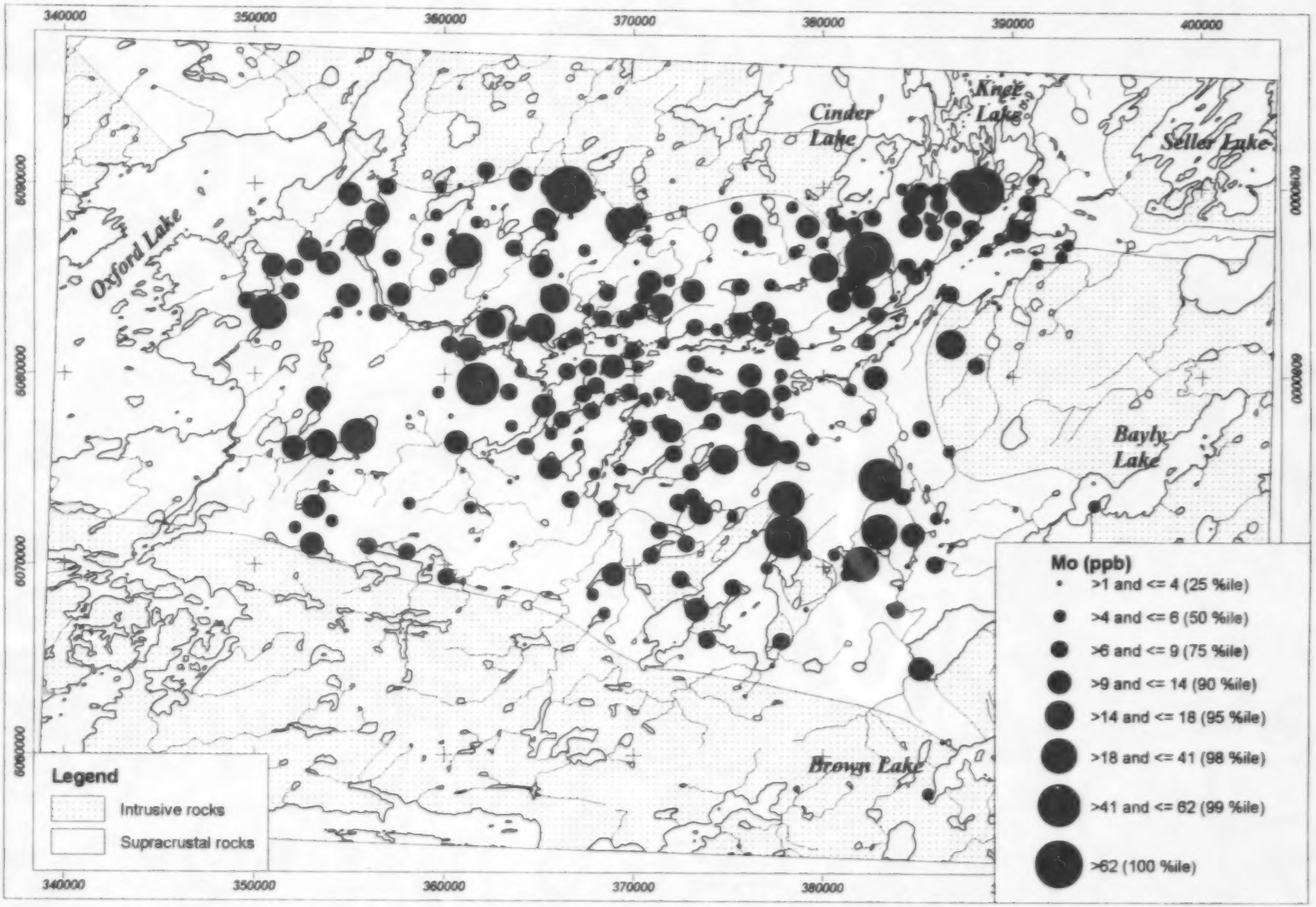
B-horizon soil (-60 mesh) - 298 samples
Enzyme Leach - ICP-MS

Appendix B-3-16



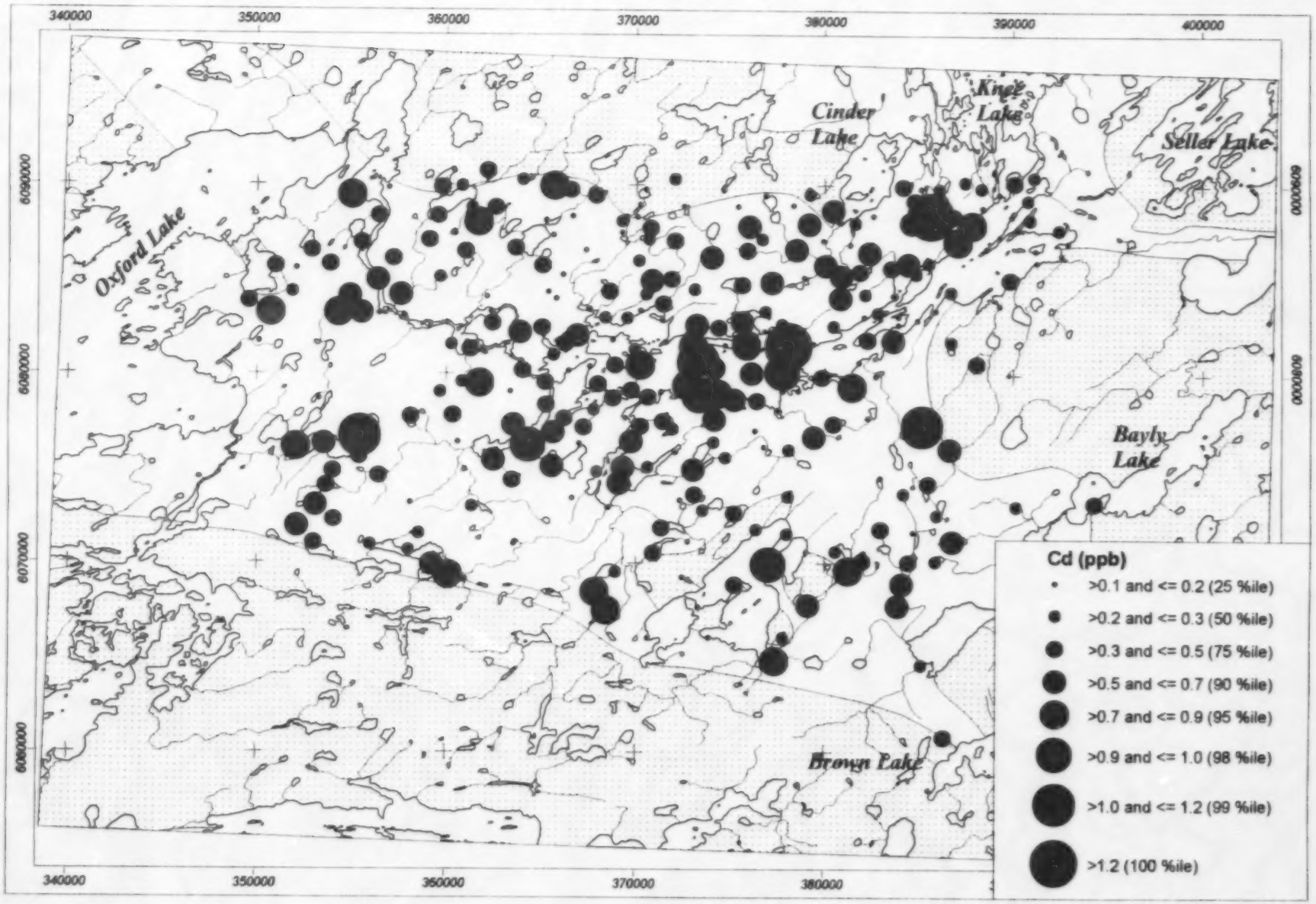
B-horizon soil (-60 mesh) - 298 samples
Enzyme Leach - ICP-MS

Appendix B-3-17

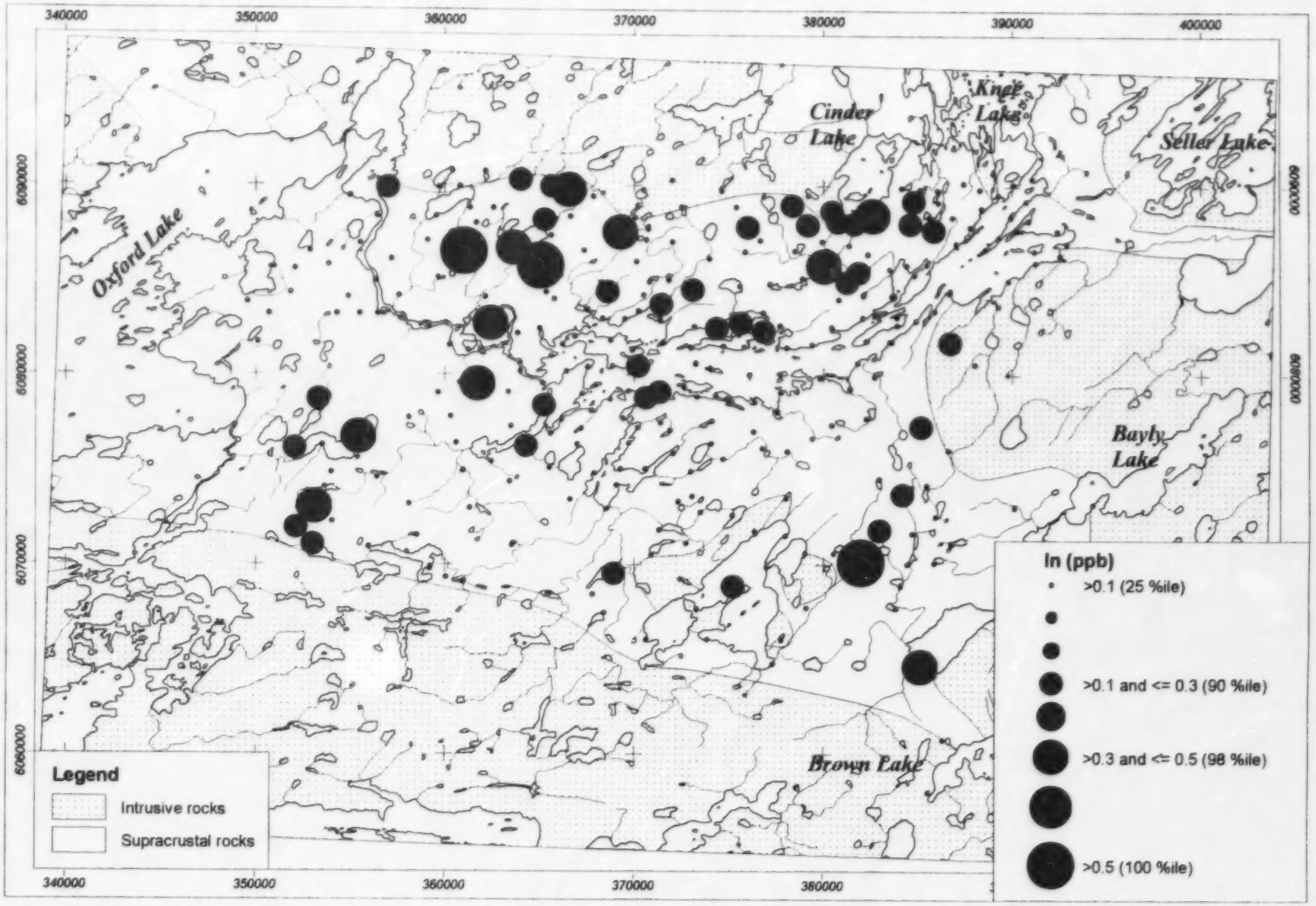


B-horizon soil (-60 mesh) - 298 samples
Enzyme Leach - ICP-MS

Appendix B-3-18

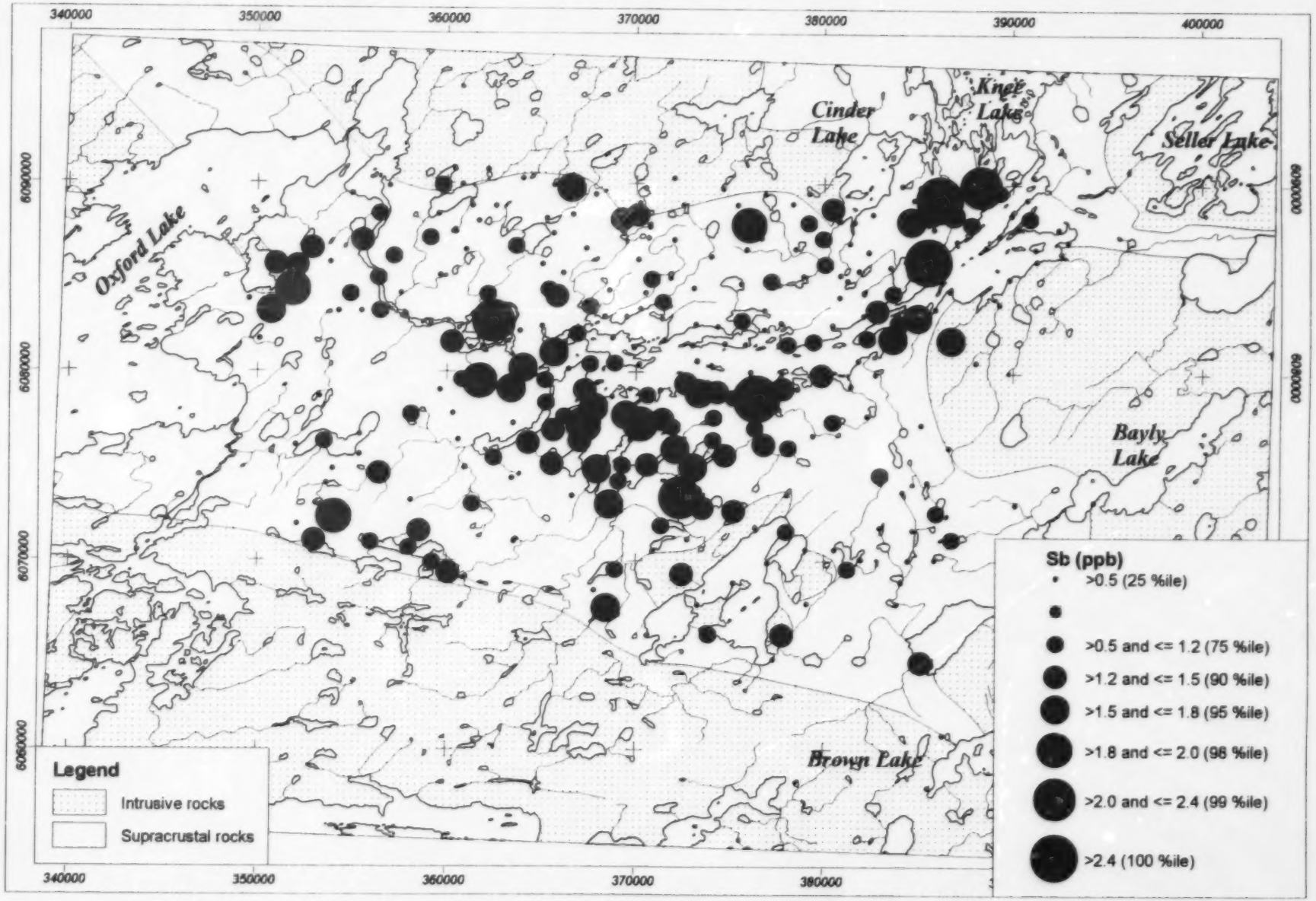


B-horizon soil (-60 mesh) - 298 samples
Enzyme Leach - ICP-MS



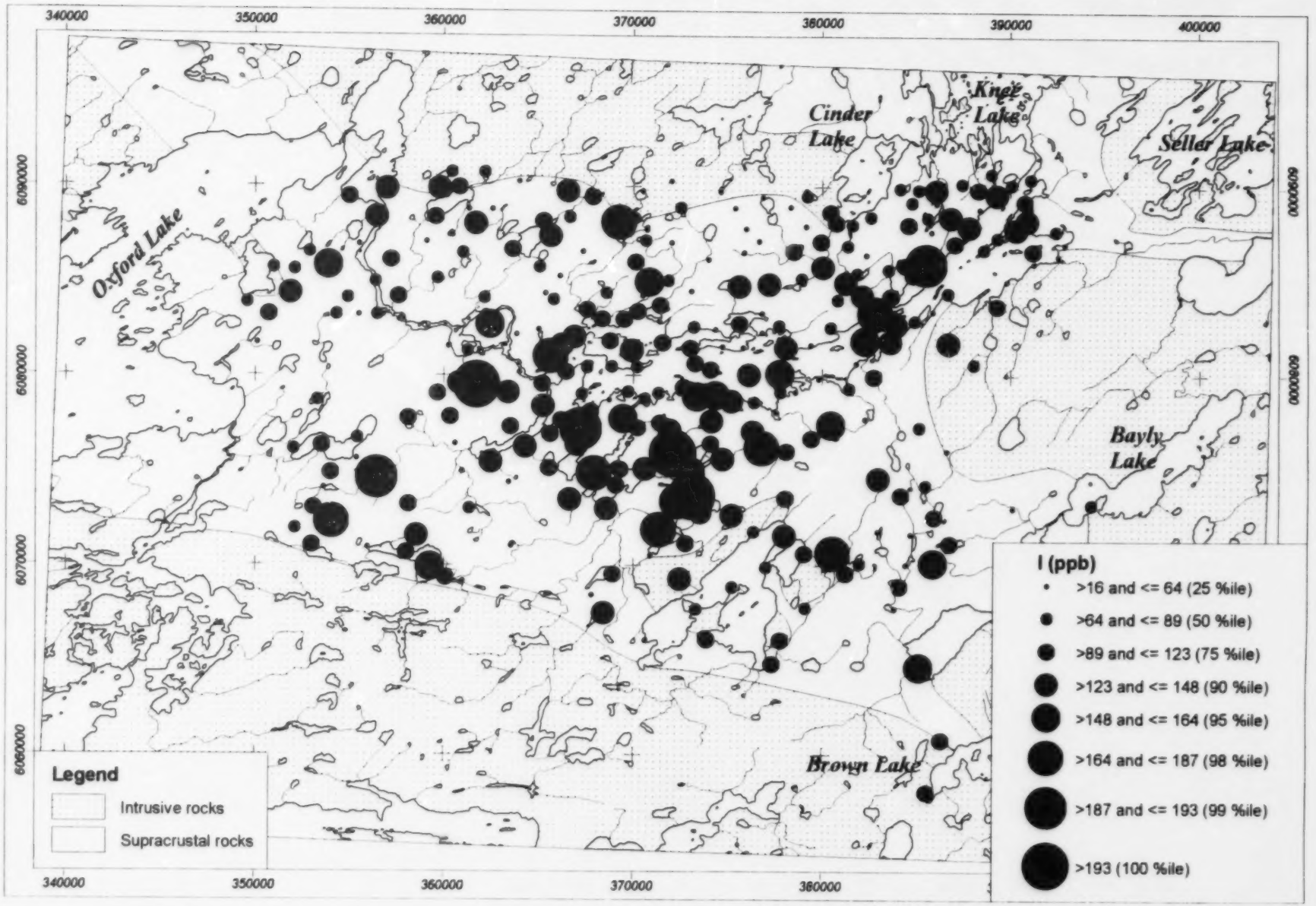
B-horizon soil (-60 mesh) - 298 samples
Enzyme Leach - ICP-MS

Appendix B-3-20



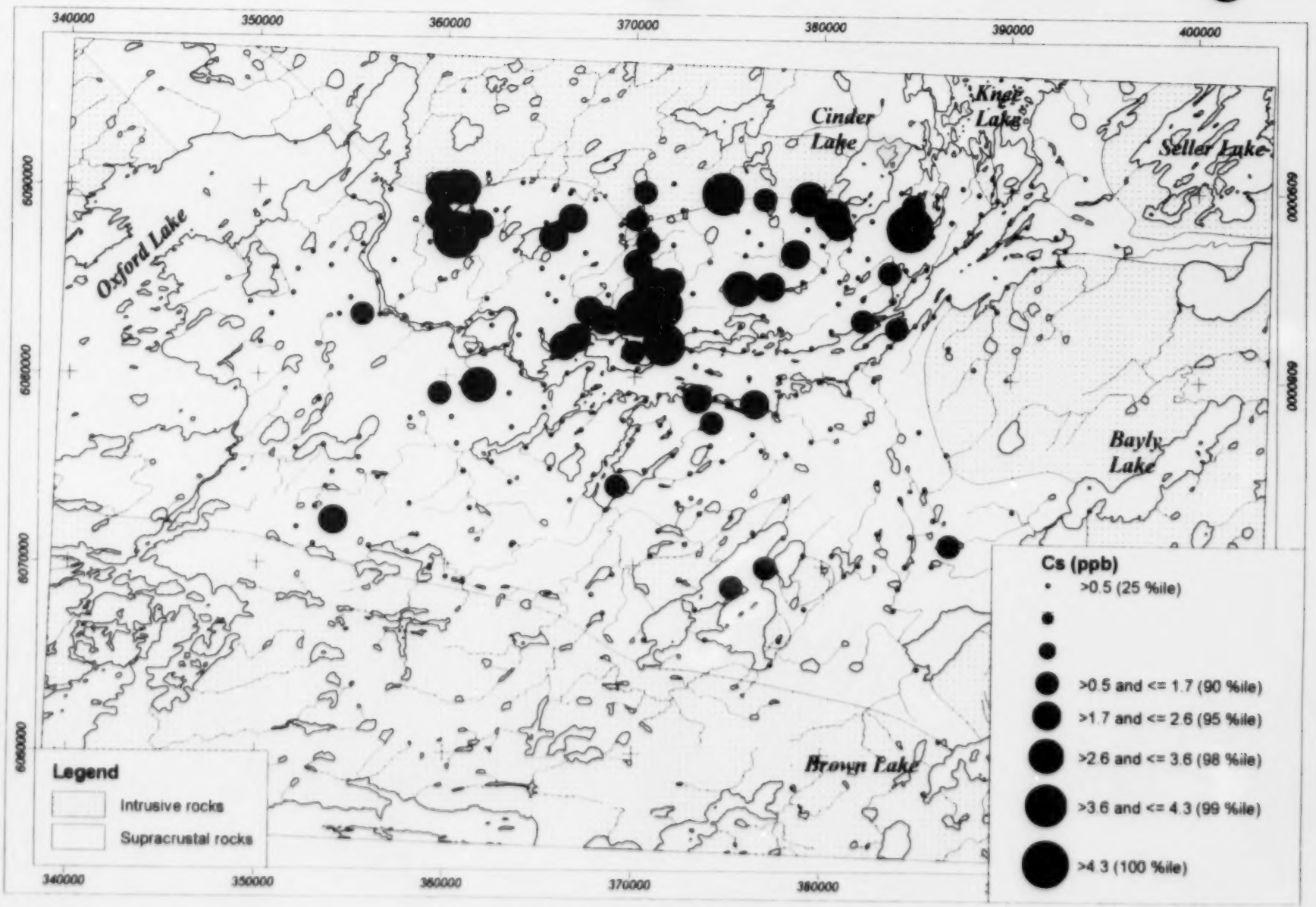
B-horizon soil (-60 mesh) - 298 samples
Enzyme Leach - ICP-MS

Appendix B-3-21



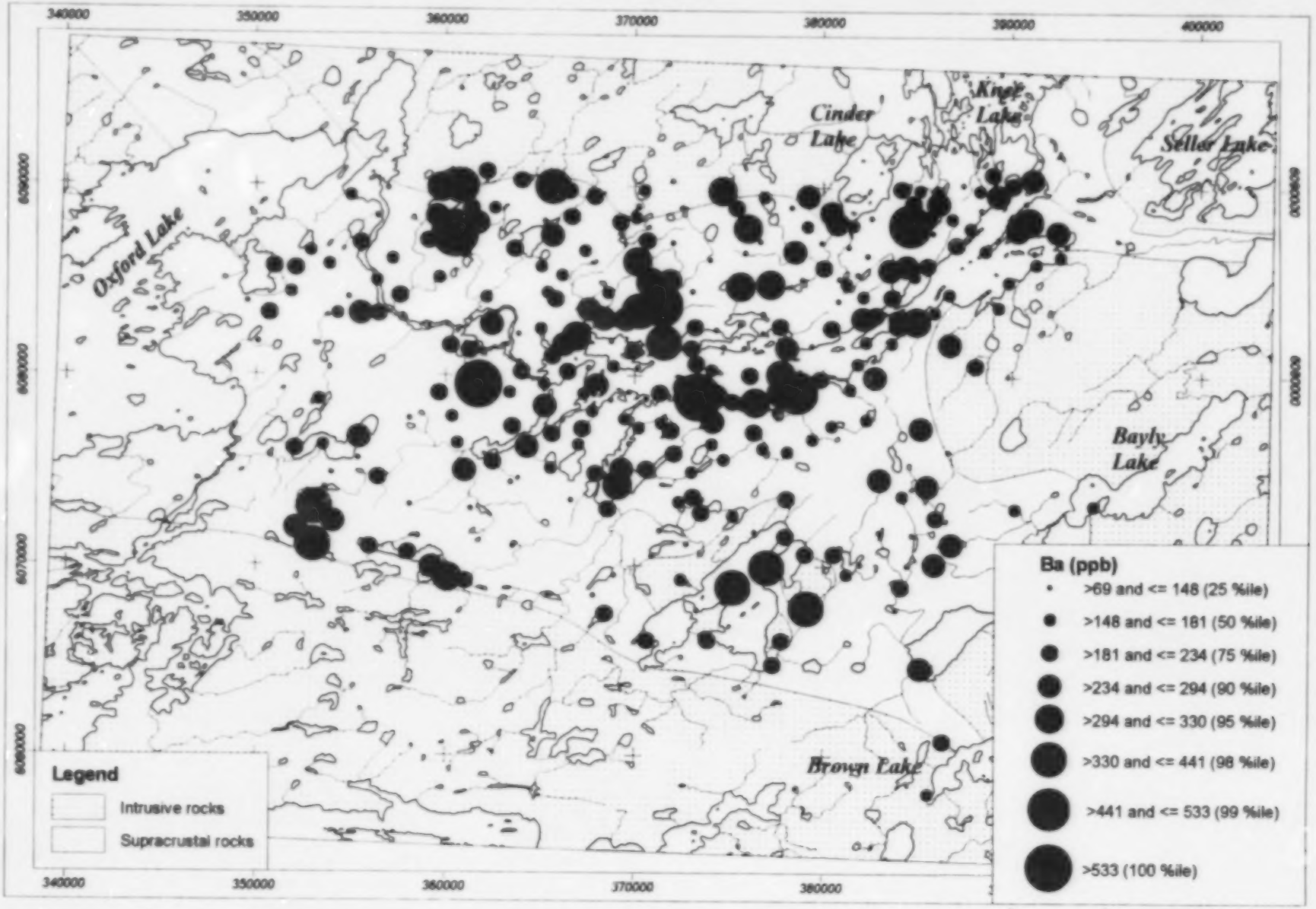
B-horizon soil (-60 mesh) - 298 samples
Enzyme Leach - ICP-MS

Appendix B-3-22

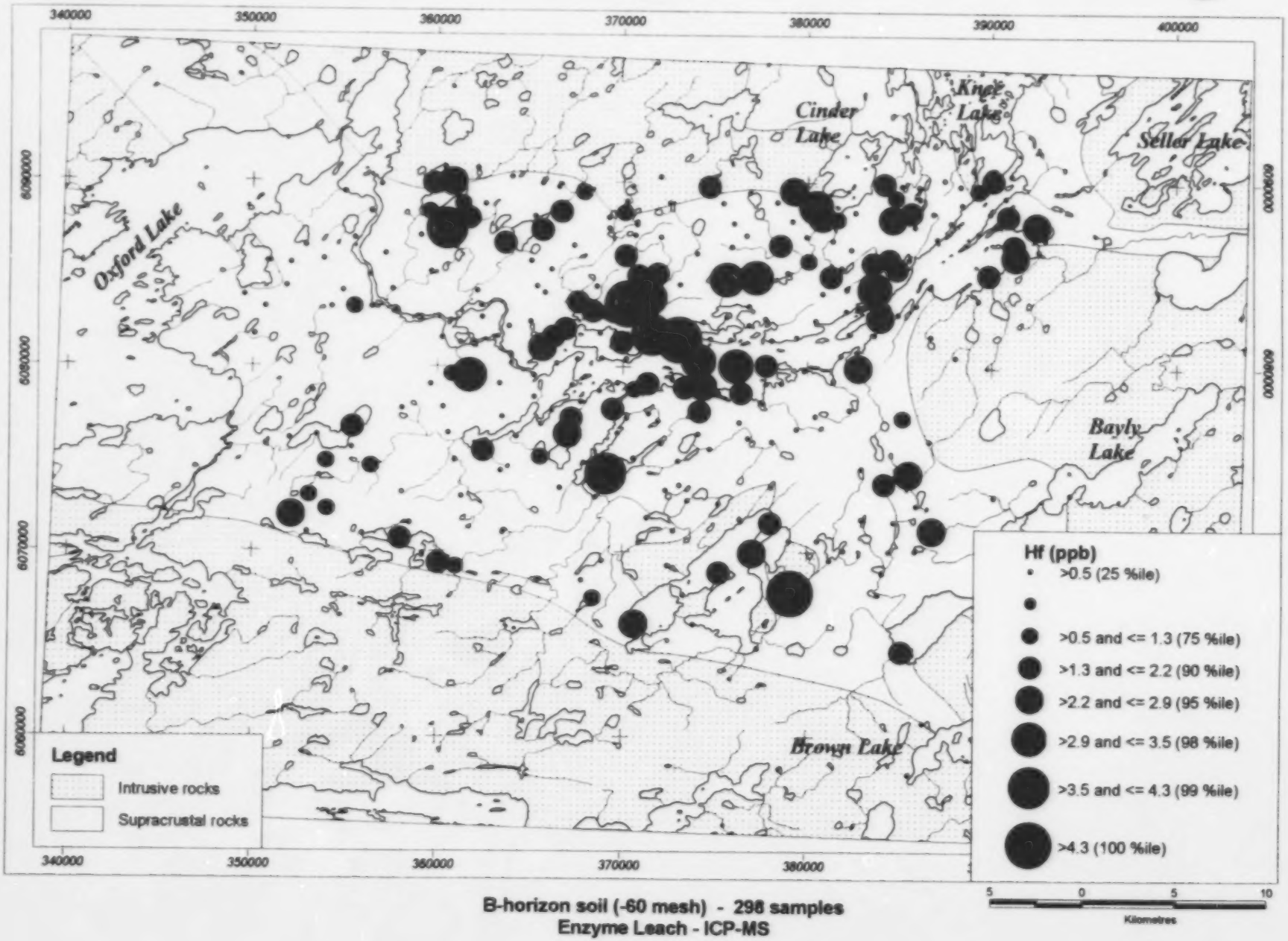


B-horizon soil (-60 mesh) - 298 samples
Enzyme Leach - ICP-MS

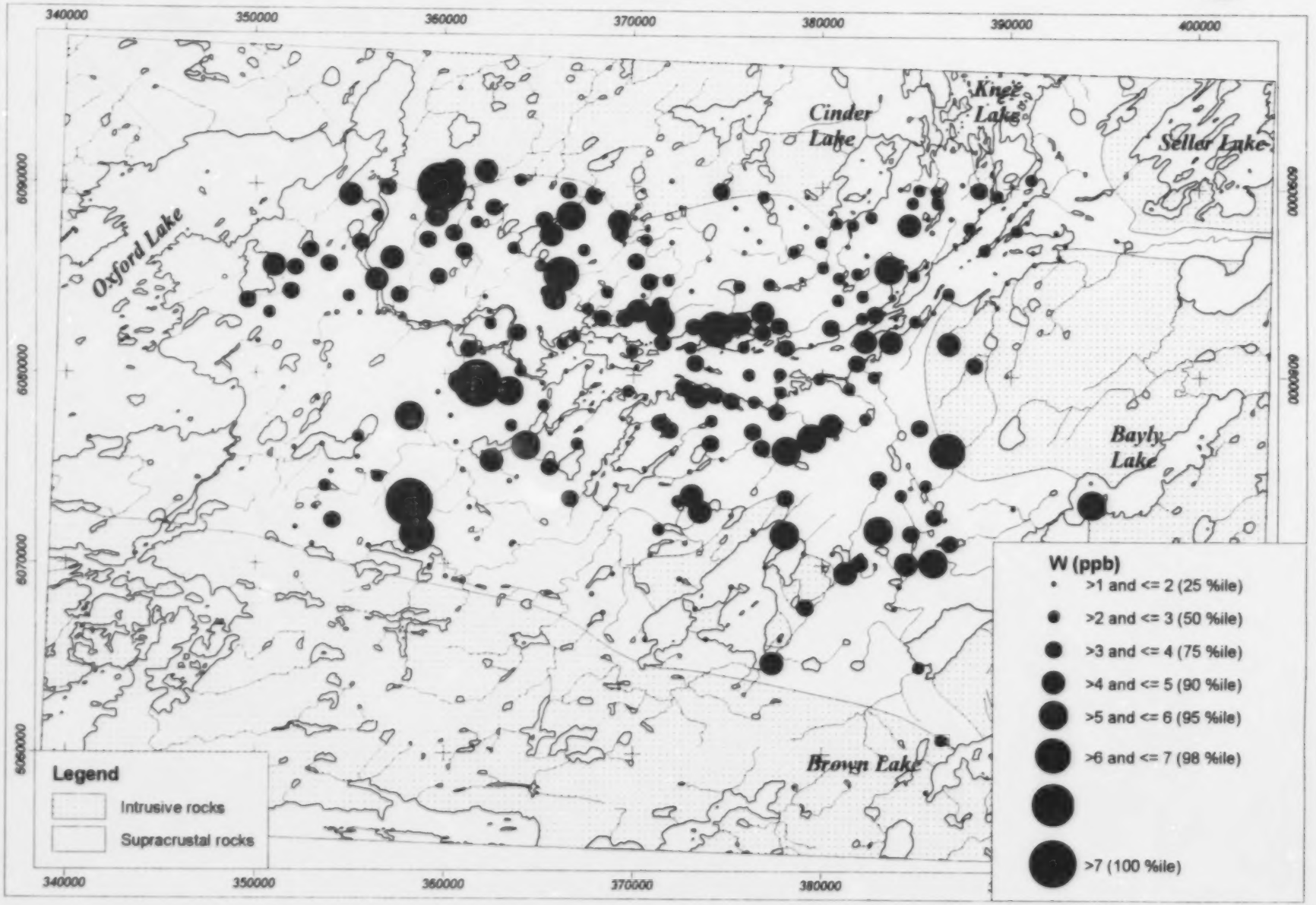
Appendix B-3-23



B-horizon soil (-60 mesh) - 298 samples
Enzyme Leach - ICP-MS

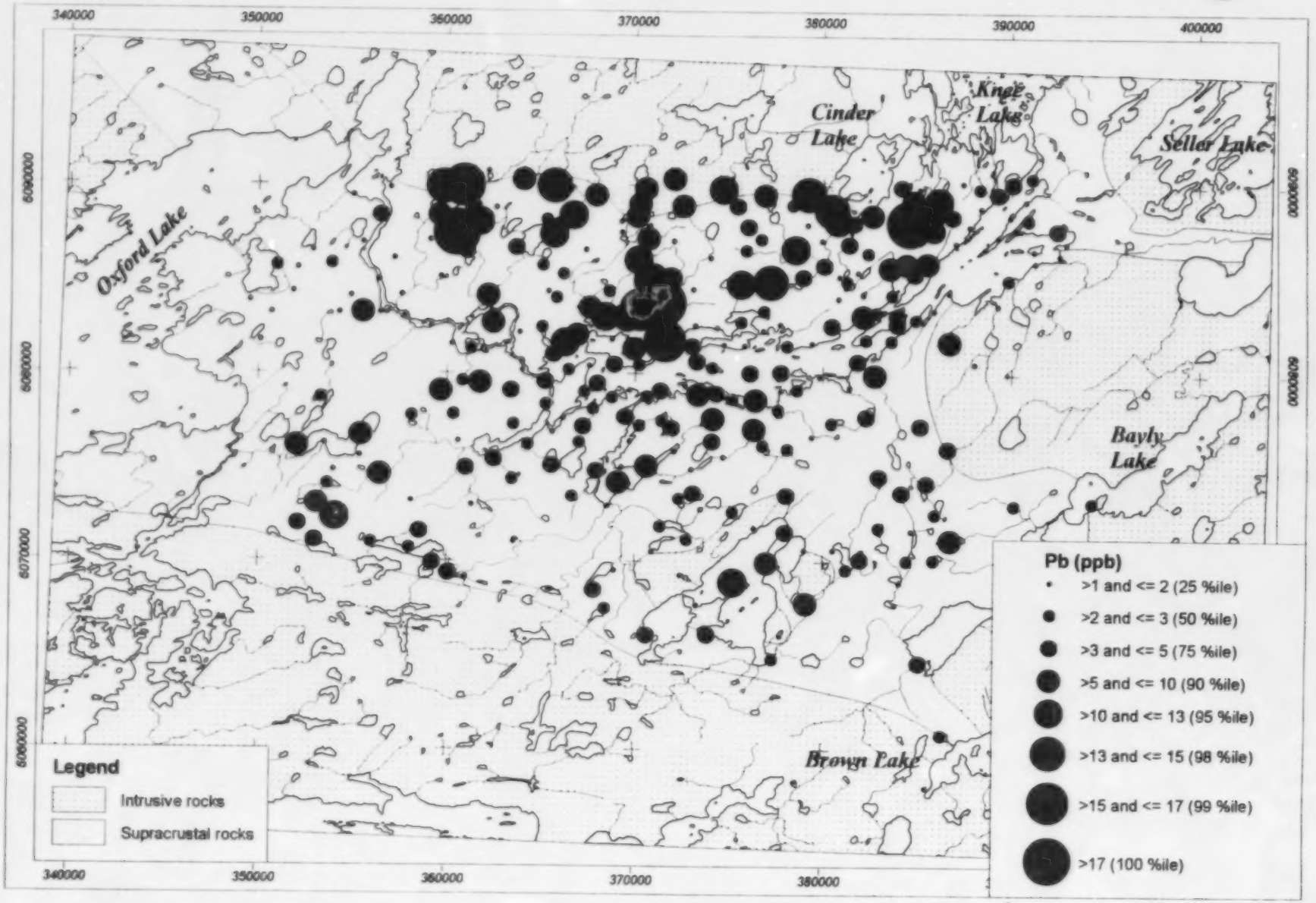


B-horizon soil (-60 mesh) - 298 samples
Enzyme Leach - ICP-MS

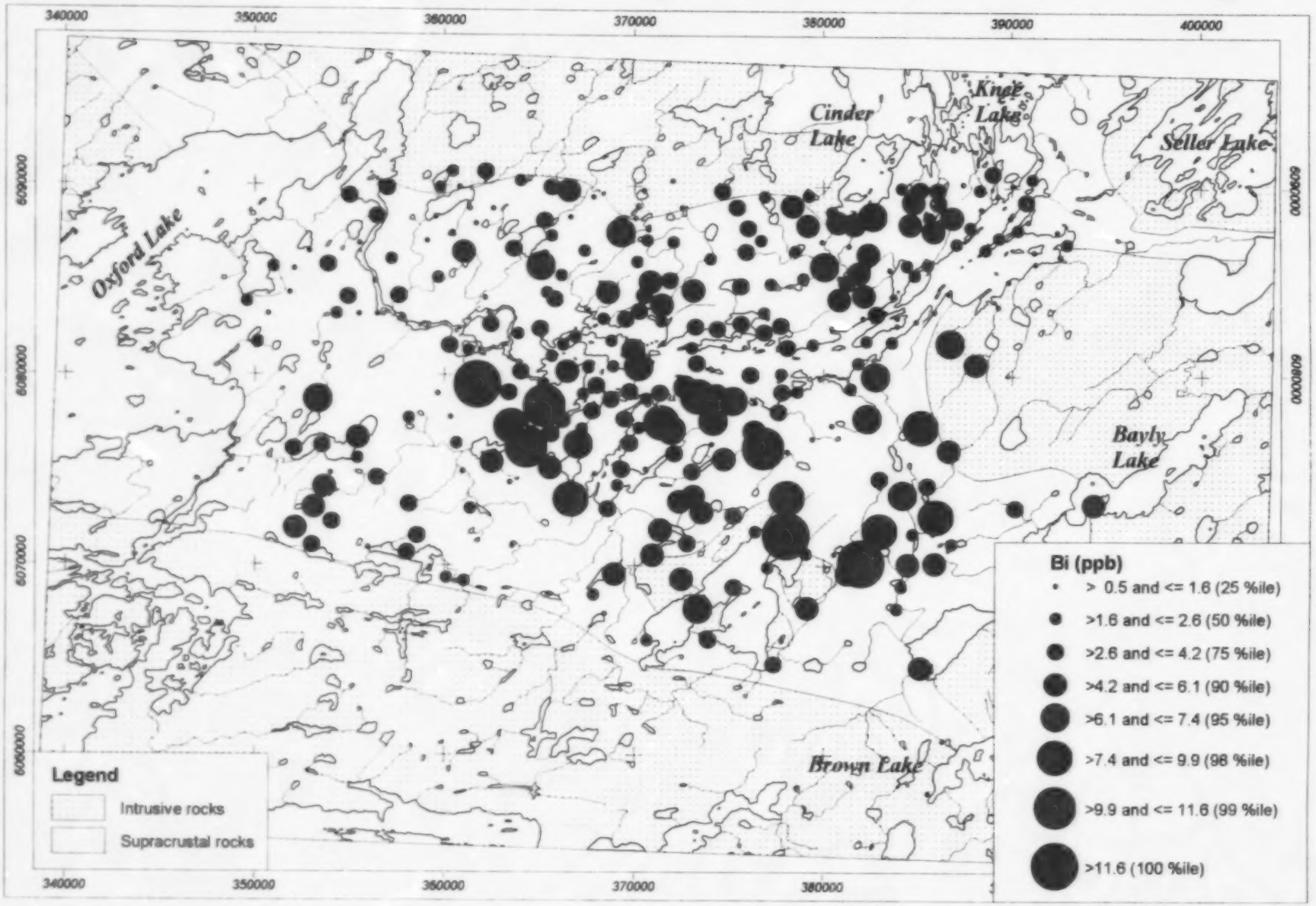


B-horizon soil (-60 mesh) - 298 samples
Enzyme Leach - ICP-MS

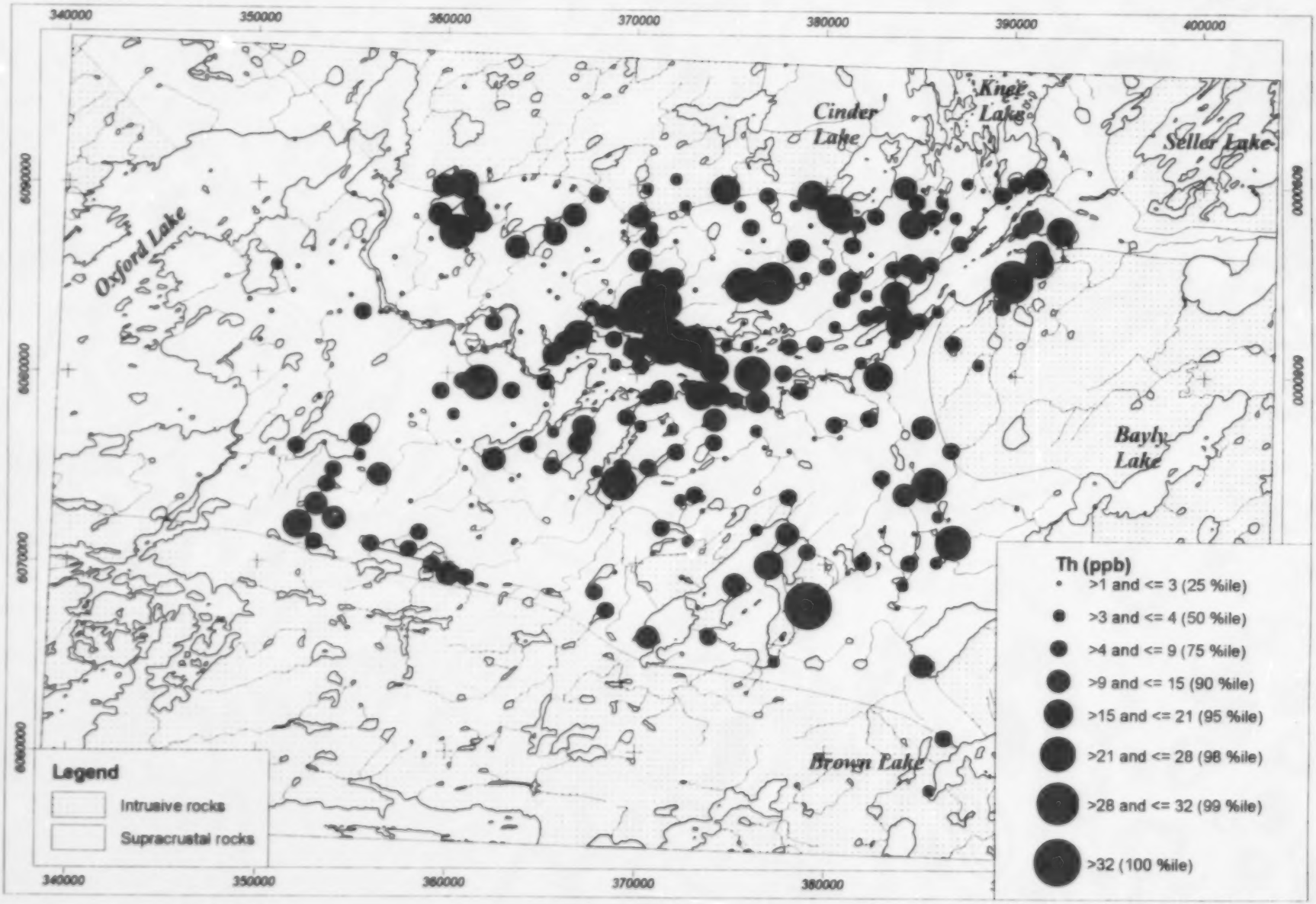
Appendix B-3-26



B-horizon soil (-60 mesh) - 298 samples
Enzyme Leach - ICP-MS

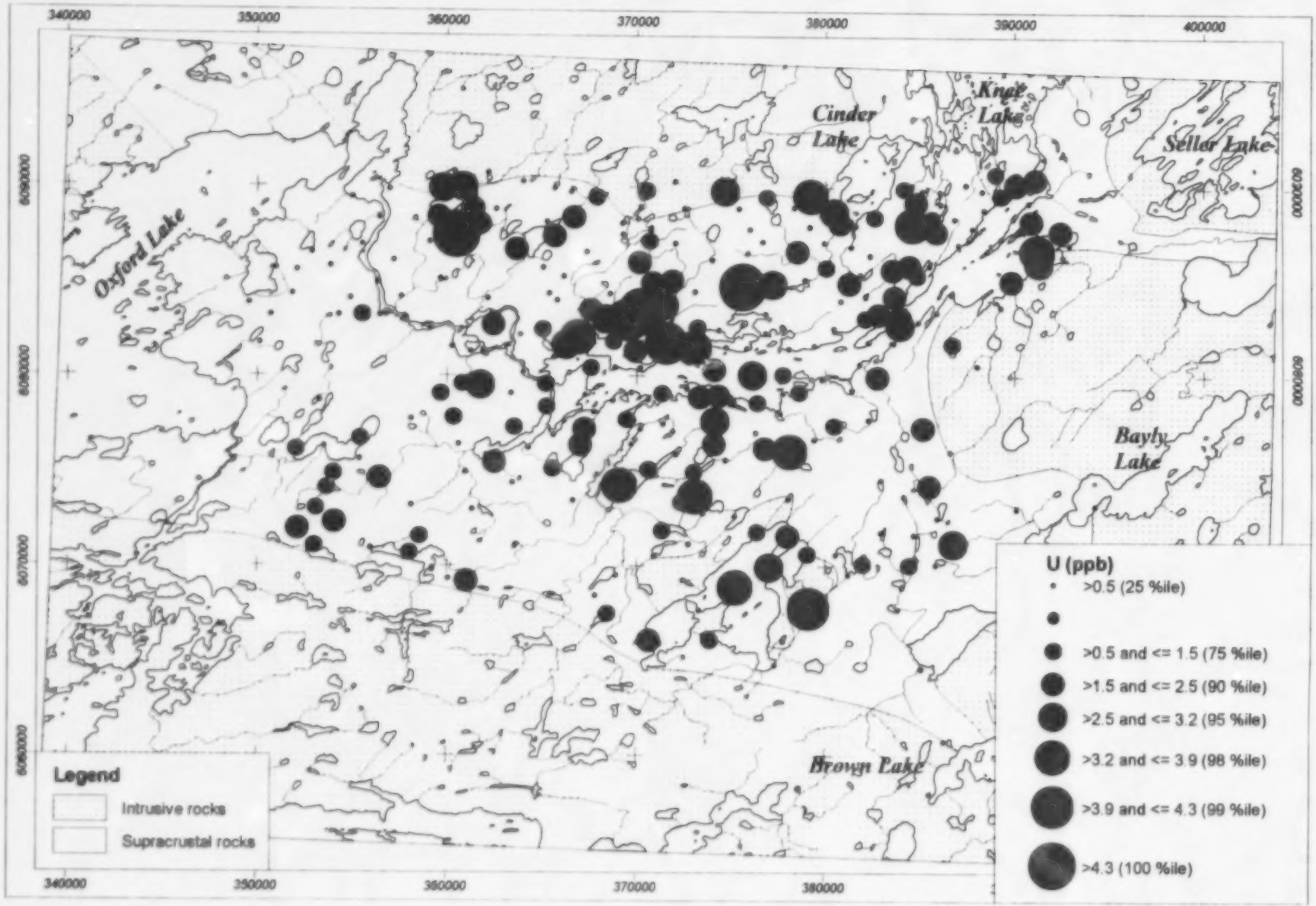


B-horizon soil (-60 mesh) - 298 samples
Enzyme Leach - ICP-MS

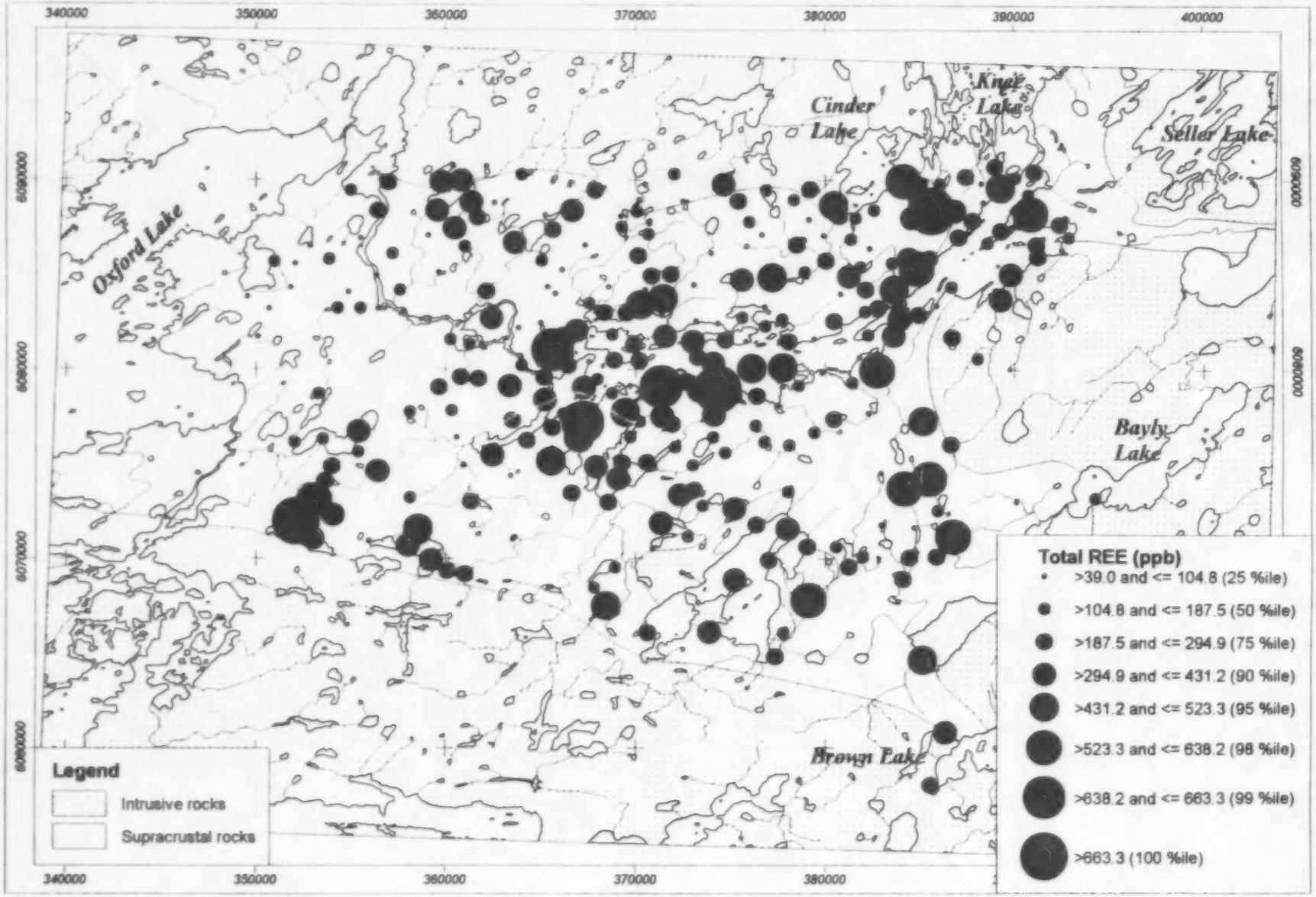


B-horizon soil (-60 mesh) - 298 samples
Enzyme Leach - ICP-MS

Appendix B-3-29

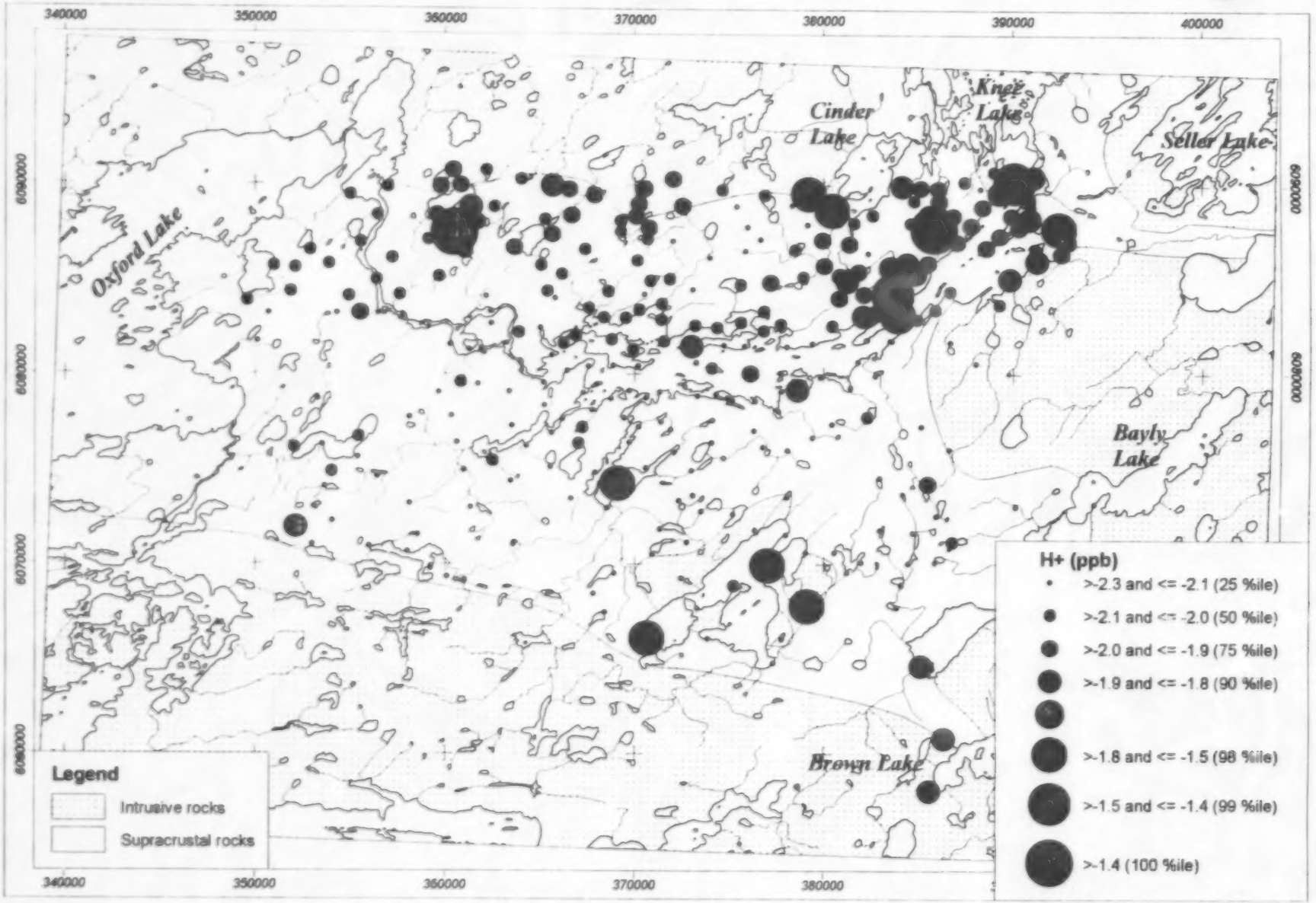


B-horizon soil (-60 mesh) - 298 samples
Enzyme Leach - ICP-MS



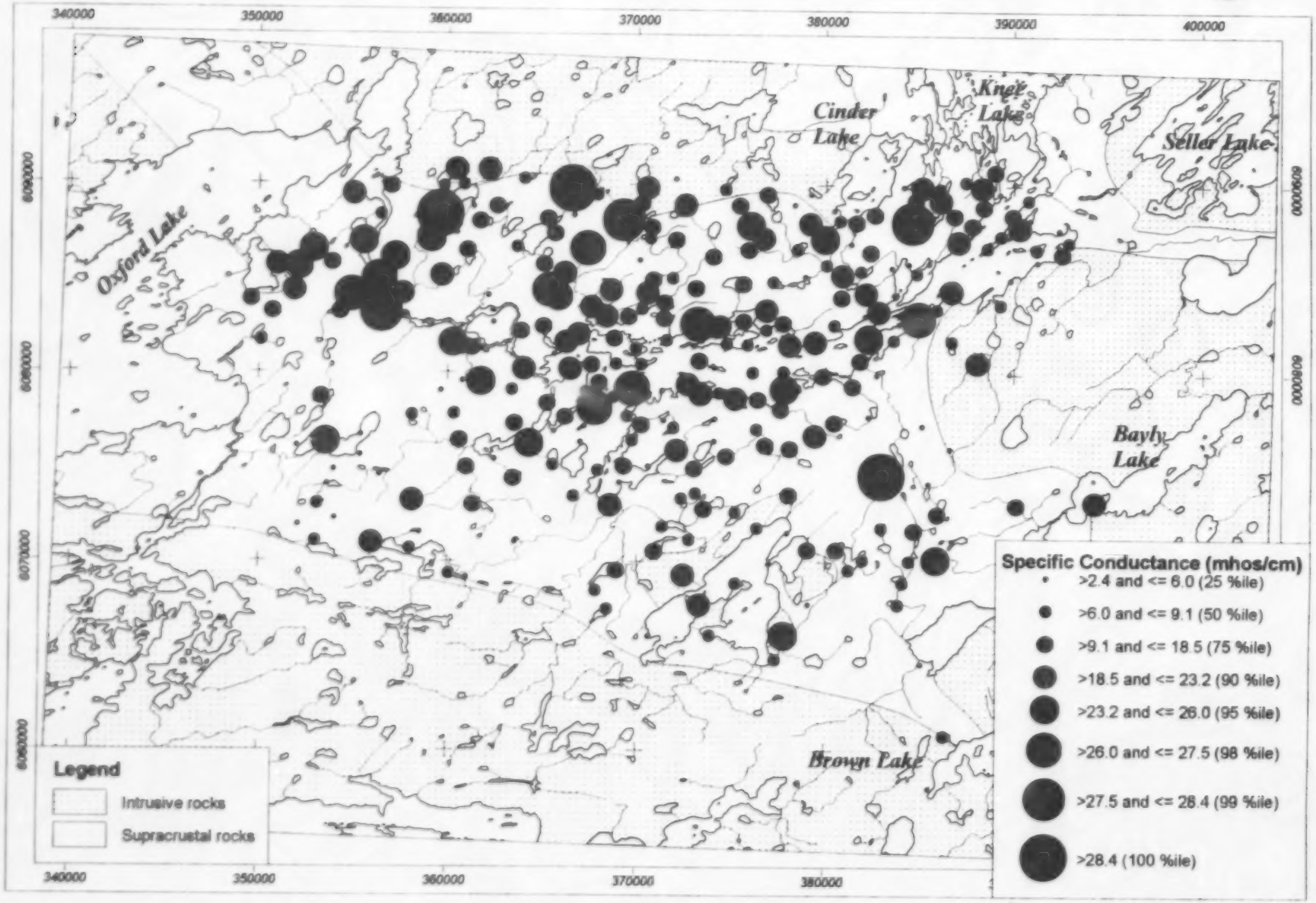
B-horizon soil (-60 mesh) - 298 samples
Enzyme Leach - ICP-MS

Appendix B-3-31

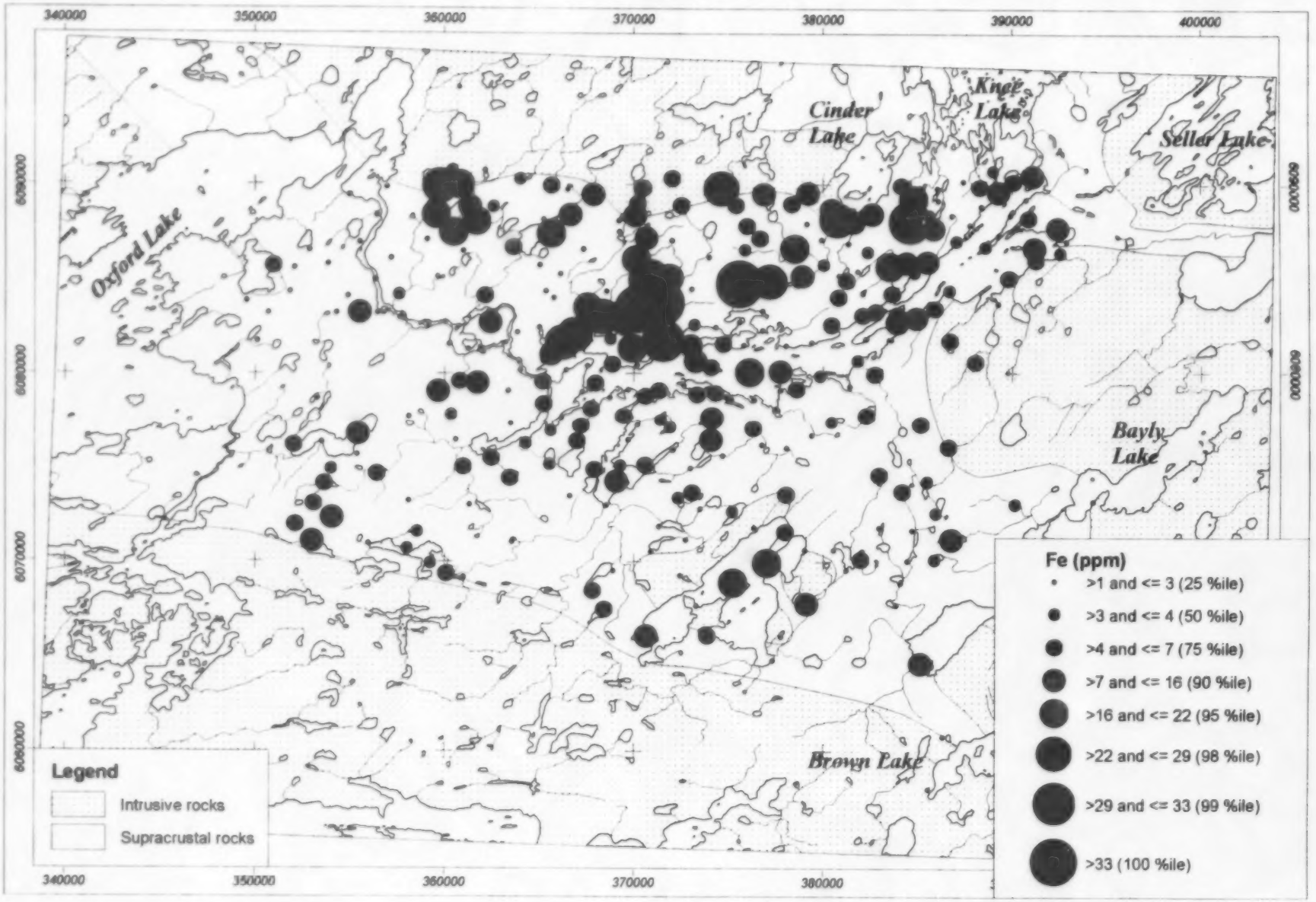


B-horizon soil (-60 mesh) - 298 samples
Enzyme Leach - ICP-MS

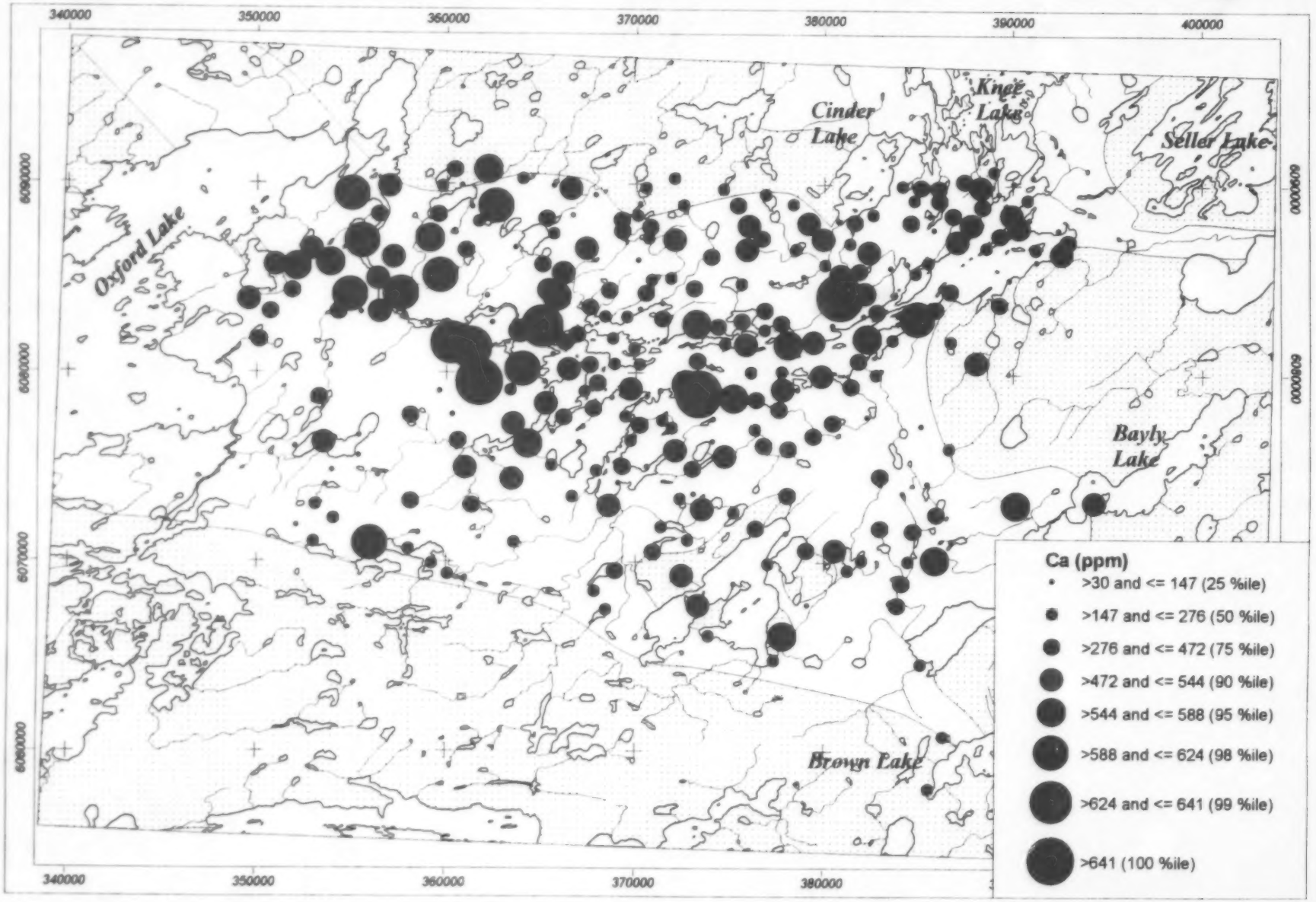
Appendix B-3-32



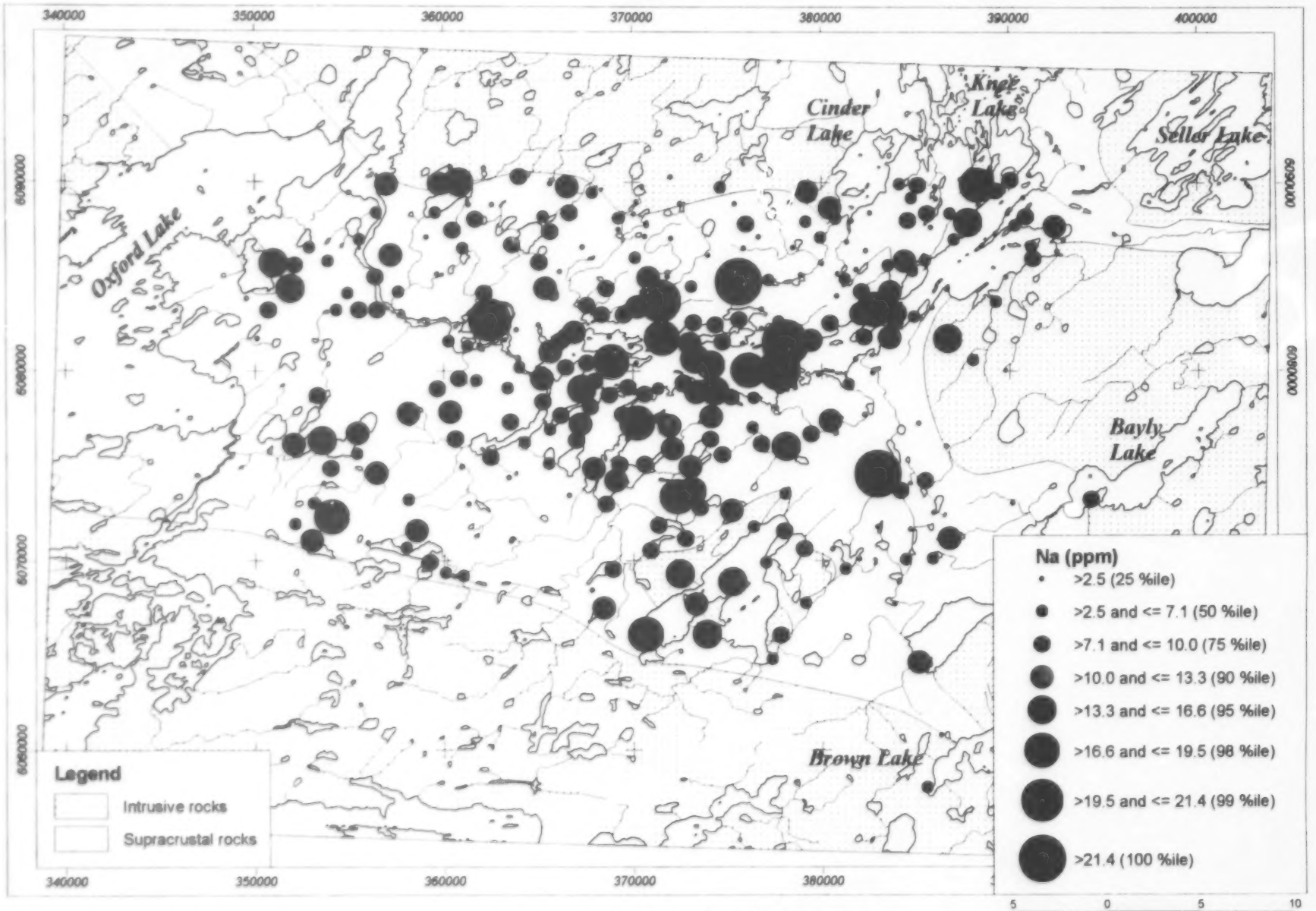
B-horizon soil (-60 mesh) - 298 samples
Enzyme Leach - ICP-MS



B-horizon soil (-60 mesh) - 298 samples
Enzyme Leach - ICP-MS

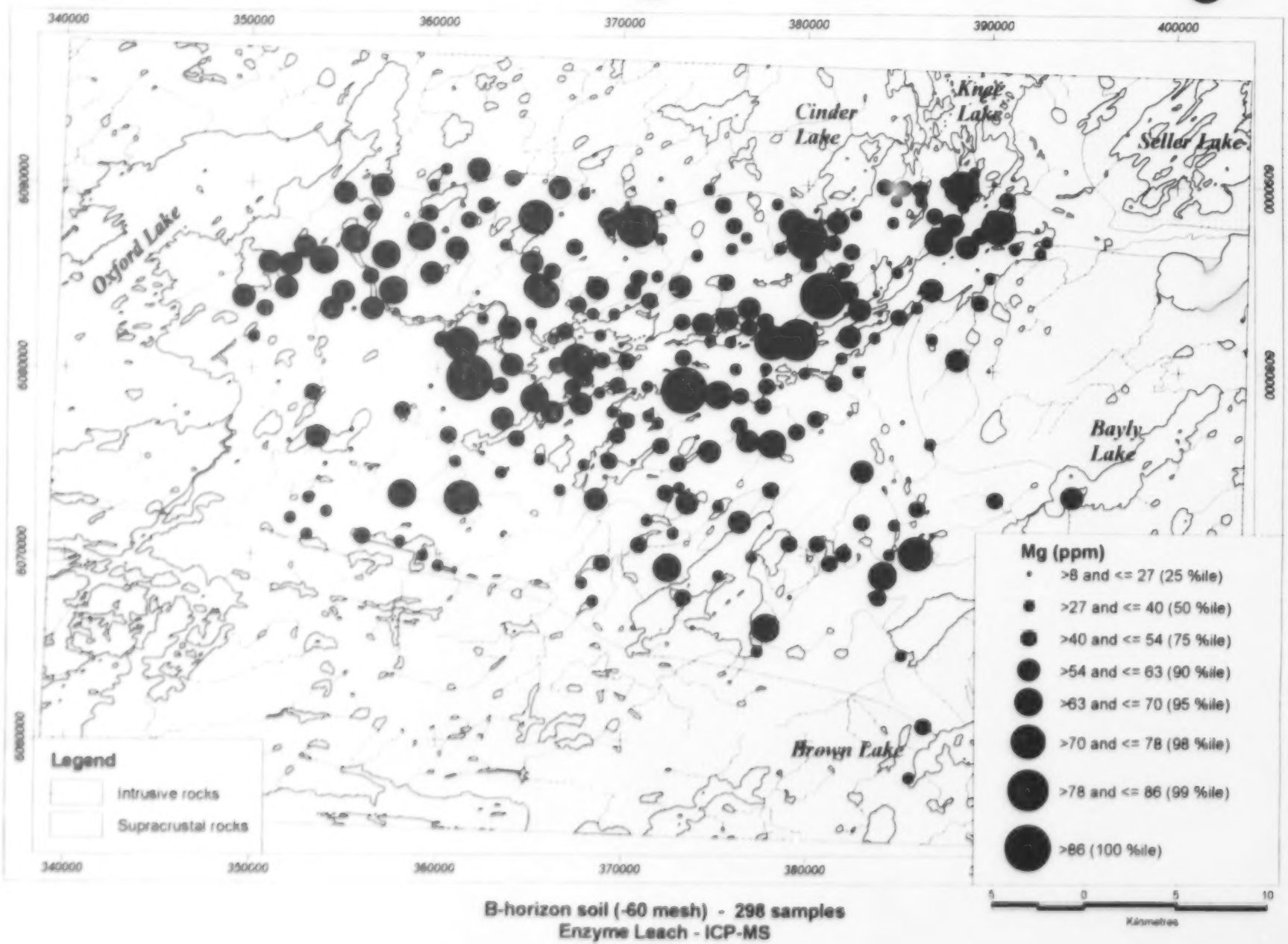


B-horizon soil (-60 mesh) - 298 samples
Enzyme Leach - ICP-MS

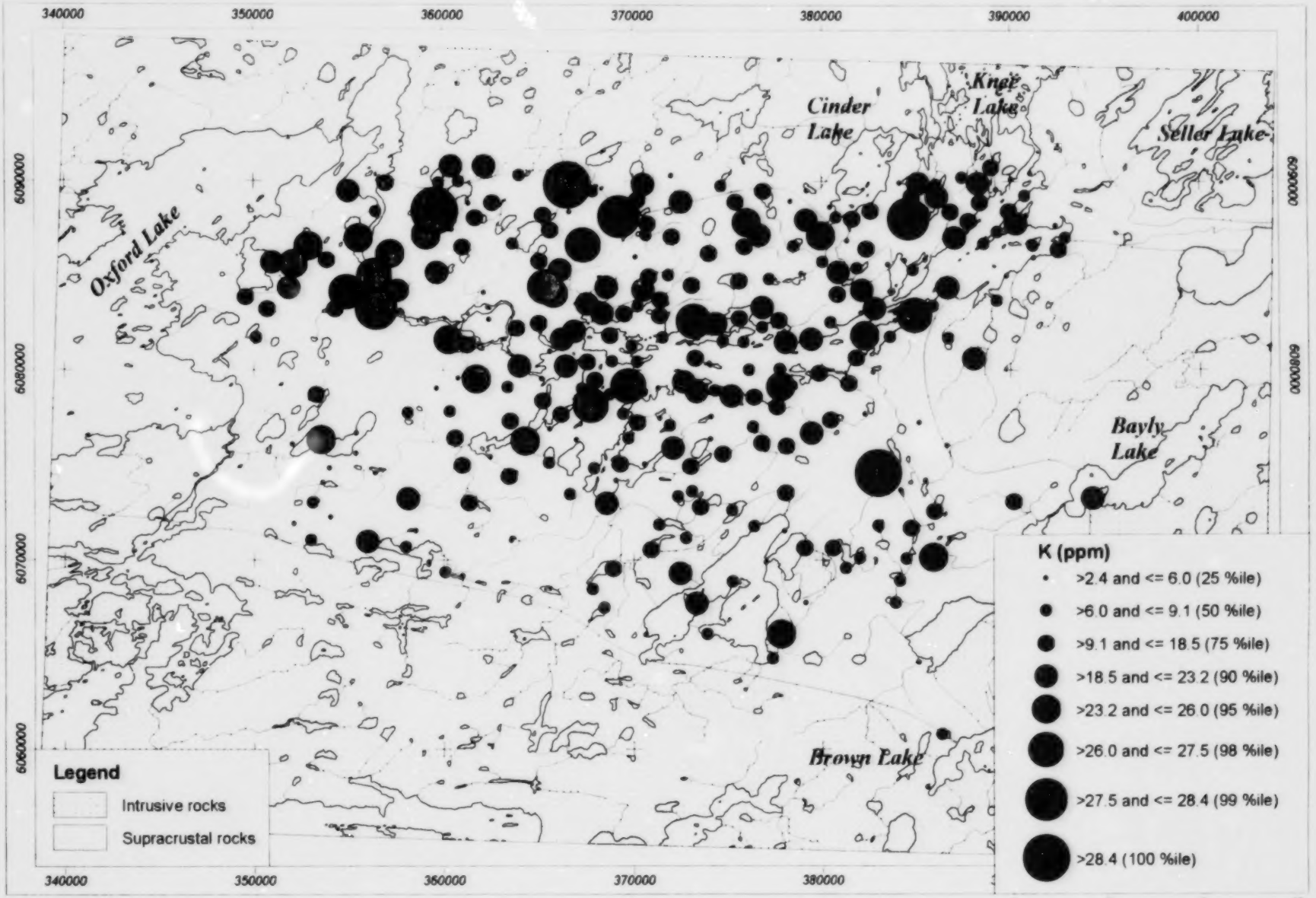


B-horizon soil (-60 mesh) - 298 samples
Enzyme Leach - ICP-MS

Appendix B-3-36

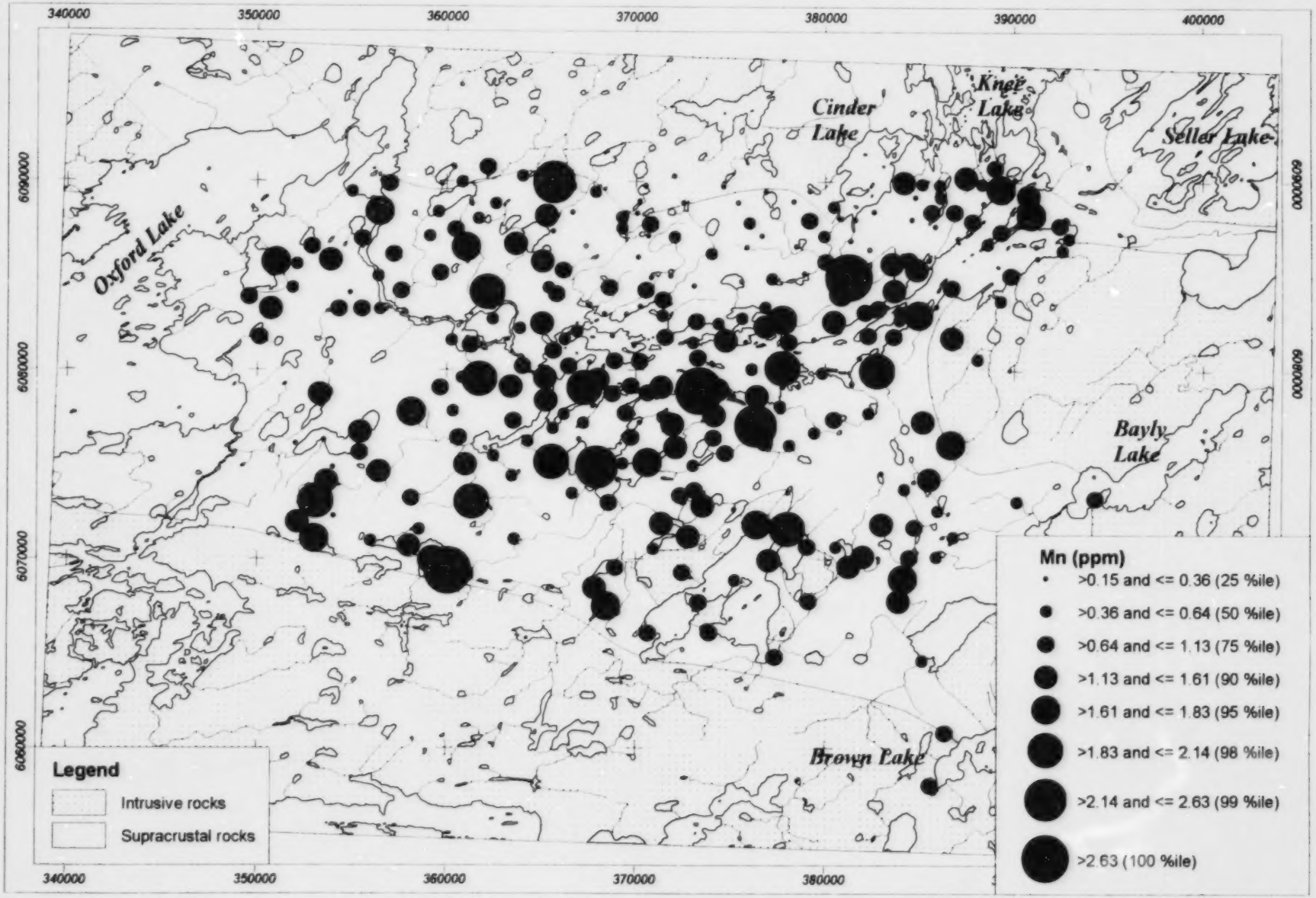


B-horizon soil (-60 mesh) - 298 samples
Enzyme Leach - ICP-MS

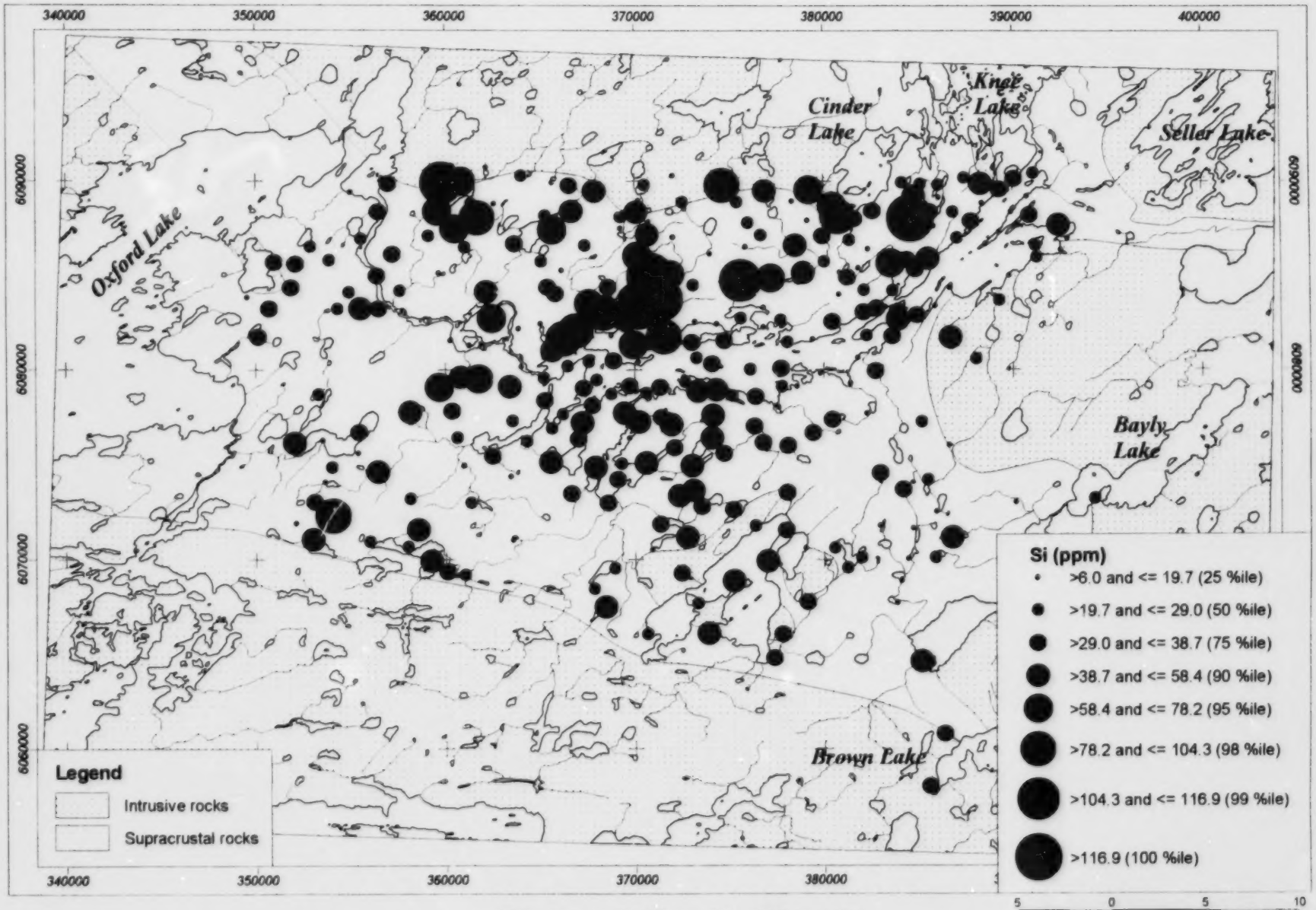


B-horizon soil (-60 mesh) - 298 samples
Enzyme Leach - ICP-MS

Appendix B-3-38

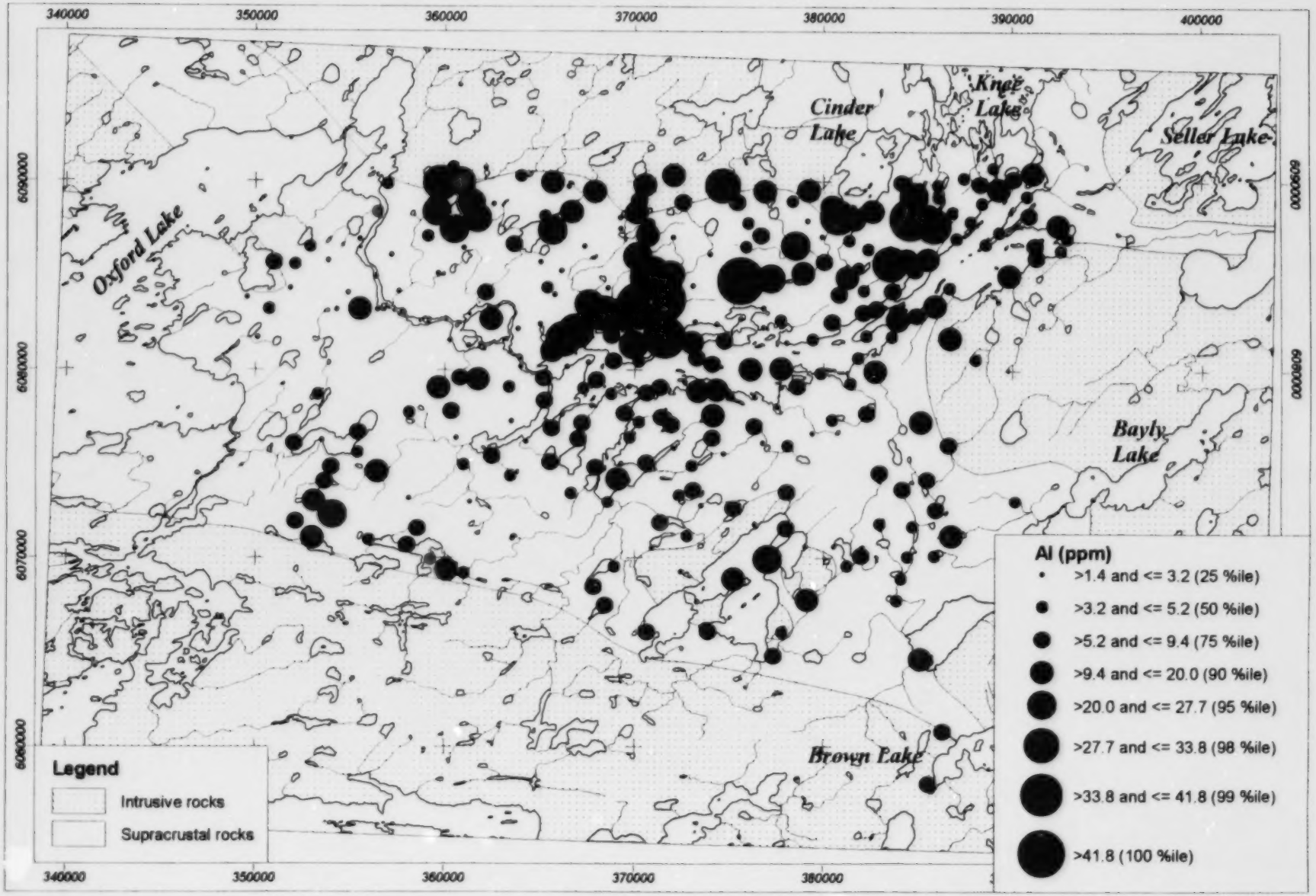


B-horizon soil (-60 mesh) - 298 samples
Enzyme Leach - ICP-MS



B-horizon soil (-60 mesh) - 298 samples
Enzyme Leach - ICP-MS

Appendix B-3-40



B-horizon soil (-60 mesh) - 298 samples
Enzyme Leach - ICP-MS

HUMUS GEOCHEMICAL SURVEY

Sample collection

Humus samples were collected from beneath the moss mat that was normally removed prior to digging the till sample pit. Where the humus layer was too thin or had become contaminated with inorganic sediment during the course of digging, the sample site was moved to a suitable location 5-10 m away from the till hole. The humus collected from these sites was generally moderately to well humified and had a fine grained, sooty consistency. Care was taken not to include inorganic material with this sample type. Enough humus was collected to fill a large ZIPLOC freezer bag. At some locations, the humus was a dark brown colour and less humified. In burned areas, humus was collected as residual mats off of boulders or from low-lying areas or small gullies where the temperatures associated with the fire had not been sufficiently high so as to ash the humus. Duplicate samples were collected at approximately every tenth site.

Sample preparation and analysis

Humus samples were air dried at room temperature on disposable plastic plates in the laboratory of the Manitoba Geological Survey. After drying, the samples were sieved and the -80 mesh size fraction retained. This sample was forwarded to Activation Laboratories Ltd. (Ancaster, Ontario) for INA and ICP-AES analysis. The ICP-AES analysis at Activation Laboratories Ltd. is based on a four acid total digestion. A second portion of the -80 mesh humus sample was submitted to the laboratory of the Manitoba Geological Survey for the measurement of pH and conductivity. The pH and conductivity measurements were corrected and converted to H^+ and specific conductance using the formula of Govett (1976) and reproduced with examples in Govett et al. (1984). Geochemical analyses are listed in Appendix H-1 (ICP-AES, H^+, *K* and Hg) and H-4 (INA). Analyses for duplicate pairs are given in Appendices H-2 (ICP-AES, H^+, *K* and Hg) and H-5 (INA). Percentile bubble plots are given in Appendices H-3 (ICP-AES, H^+, *K* and Hg) and H-6 (INA).

Results

Instrumental neutron activation (INA)

Au: The results for Au from the southern Knee Lake Belt are low with a limited range of 1-9 ppb. The 9 ppb analysis was from site 271, east of the Magill Lake intrusion at or near the contact between volcanic and sedimentary rocks.

As: Maximum geochemical response was observed in the southern portion of the 1999 survey area. Two 100th percentile responses occur at the periphery of the Magill Lake intrusion in association with a single 99th percentile and three 95th percentile responses. The 100th percentiles occur at sites 238 (15.1 ppm) and 246 (13.9 ppm). A single 100th percentile response occurs west of the west end of Knee Lake at site 250 (11.6 ppm) and at site 92 (52.4 ppm) in the northwest corner of the survey area.

Ba: A cluster of elevated Ba analyses occur south of Cinder Lake at sites 18 (160 ppm), 119 (360 ppm), 8 (300 ppm) and 69 (320 ppm). Three 99th percentiles occur along the Southern Knee Lake Shear Zone (SKSZ) at sites 77 (340 ppm), 201 (350 ppm) and 298 (360 ppm). Single site, isolated 100th percentiles occur at sites 110 (370 ppm) near the western terminus of an east-west-trending unit of felsic volcanic rocks and 132 (370 ppm).

Br: The northern edge of the Magill Lake intrusion is characterized by two 100th percentiles at sites 321 (66.4 ppm) and 330 (44.9 ppm) in association with three 98th percentiles (25-35 ppm) at sites 316, 317 and 320. A 99th percentile occurs further north of this cluster at site 323 (36.5 ppm). Two site Br anomalies occur in the west corner of the survey area. Sites 92 (100th percentile, 95.7 ppm) and 130 (99th percentile, 39.2 ppm) occur relatively close to the northern margin of the belt. The second two site Br anomaly comprises 100th and 99th percentile responses at sites 157 (62.4 ppm) and 61 (36 ppm), respectively.

Ca: Little or no variation in the Ca contents of humus samples collected from the 1999 survey area belts is apparent with the exception of 100th percentile sites at 1 (7%), 27 (7%) and 137 (7%) . Site 1 is situated over an north-south-trending felsic volcanic unit.

Co: Low to moderate geochemical contrast responses are observed at several localities in the southern Knee Lake Belt. A three site cluster occurs southwest of Cinder Lake at sites 68 (100th percentile response of 11 ppm), 71 (99th percentile response of 10 ppm) and 69 (98th percentile response of 9 ppm). A three site cluster of elevated Co responses occurs at the far west boundary of sampling at sites 132 (100th percentile, 11 ppm), 134 (98th percentile, 9 ppm) and 135 (98th percentile, 9 ppm). An isolated single site 100th percentile of 14 ppm occurs at site 87.

Cr: A 15 km north-northwest-trending linear, multisite geochemical anomaly is noted southwest of Cinder Lake. This anomaly comprises 100th percentile (38 ppm at site 9) to 95th percentila (31 ppm at site 69) responses. On the basis of previous soil and rock geochemical data this linear feature was interpreted to be a fault. A two site Cr anomaly is noted from the west portion of the sampling area at sites 132 (100th percentile of 51 ppm) and 138 (99th percentile of 38 ppm). Single site, isolated 100th percentile responses occur at sites 32 (58 ppm), 263 (41 ppm) and 326 (47 ppm).

Fe: The linear 15 km geochemical trend observed for Cr is also developed for Fe with a mixture of 100th percentile responses and 95th percentile responses. The 100th percentile occurs at site 9 (2.04%) which was also marked by a 100th percentile for Cr. Outcrop at this site was described as a light green silicified basalt with 1-3% disseminated and veinlet pyrite. A two site anomaly occurs at the west end of the survey area at sites 132 (100th percentile of 2.27%) and 138 (98th percentile of 1.62%). There was no outcrop at these two sites. Isolated 100th percentiles occur at sites 92 (8.12%) and 326 9 (2.56%). Single site 99th percentiles are documented from sites 32 (2.01%) and 263 (1.89%).

Hf: Hafnium contents are very low throughout the 1999 survey area. Highest responses are located in the northern, volcanic-rock dominated terrain. The range of concentrations is 1-8 ppm with the highest response of 8 ppm located at site 10 south of Cinder Lake. Adjacent site 119 is a 99th percentile response with 4 ppm.

Mo: The highest Mo responses are located in the northern half of the survey area with 100th percentile responses at sites 65 (15 ppm), 71 (15 ppm), 72 (14 ppm) and 77 (14 ppm). These responses are scattered and are not associated with other elevated Mo values. A single 99th percentile occurs at site 51 (10 ppm) over a north-south-trending felsic volcanic unit.

Na: There are three main areas of Na responses in the northern half of the 1999 survey area; no anomalous responses occur in the southern half of the belt. The main trend is located southwest of Cinder Lake and has already been described for Fe and Cr in humus. This trend is a north-northwest linear that persists for approximately 15 km from the northern boundary of the belt to the shore of Knee Lake. The 100th percentiles within this trend are located at sites 10 (0.93%) and 119 (1.15%). A second cluster of anomalous responses occurs at the northeast corner of the survey area east of Cinder Lake. This anomaly is also a multisite response with a mixture of 100th and lesser percentiles. The 100th percentile occurs at site 32 (0.90%) and a 98th percentile occurs at site 16 (0.46%) over a north-south-trending unit of felsic volcanic rocks. A third grouping is centered around site 81 (0.76%), the 100th percentile response. This anomaly occurs at or very near to the northern boundary of the belt.

Rb: The Rb responses are somewhat scattered however three main anomalous areas are apparent in the data. The north-northwest-trending linear anomaly identified for Fe, Cr and Na in humus is present albeit as a less clearly defined response. Two 100th percentile responses are noted at sites 59 (64 ppm) and 68 (66 ppm). West of this anomaly, at or near the northern belt boundary, is a cluster of one 98th percentile response (site 73, 52 ppm) and two

95th percentiles (sites 85 and 86, both 40 ppm). This site was also identified as anomalous for Na. Two 100th percentiles occur in the west end of the survey area at sites 132 (77 ppm) and 138 (64 ppm). These sites are adjacent to an apophysis of granodiorite that intrudes arkosic and greywacke-type sedimentary rocks.

Sb: One or two sample Sb anomalies are apparent in the data for the 1999 survey albeit the concentration levels are low. A two sample anomaly occurs at sites 233 (100th percentile, 0.8 ppm) and 234 (99th percentile (0.7 ppm). A 99th percentile occurs at site 255 (0.7 ppm) and another 99th percentile is situated at the northern edge of the Magill Lake intrusion (site 246, 0.7 ppm). A 100th percentile occurs at site 30 (0.8 ppm) in the northeast corner of the survey area and southwest of this site at site 23 is a 99th percentile response of 0.7 ppm).

Sc: The Sc contents in humus define the Fe, Cr and Na anomaly that persists for approximately 15 km southwest of Cinder Lake. The 100th percentile response occurs at site 59 (6.0 ppm); a mixture of 98th and 95th percentiles characterizes the remainder of the trend. Elevated Sc also occurs at site 32 (7.0 ppm) in the northeast corner of the belt surveyed in 1999. Two clusters of Sc anomalies occur in the southern half of the survey area. Sites 132 (100th percentile, 6.9 ppm) and 138 (98th percentile, 5.6 ppm) occur in the west end of the survey area near Oxford Lake and sites 326 (100th percentile, 6.8 ppm) and 254 (99th percentile, 5.8 ppm) occur in the central portion of the southern half of the survey area.

Th: Thorium contents in humus from the 1999 survey are low with a range of 0.1- 9.2 ppm. A 100th percentile response is documented from site 69 (7.2 ppm) which forms part of a weakly developed trend south west of Cinder Lake which may be the same anomaly as that recognized for Fe, Na and Cr. Elsewhere three clusters of anomalous sites occur in the sedimentary rock dominated terrain in the south of the belt. A 100th percentile occurs at site 132 (7.8 ppm) in association with a 99th percentile response (6.8 ppm) at adjacent site 138. South of this anomaly, between a narrow east-trending belt of mafic and felsic volcanic rocks and the southern margin of the belt, a three sample response is documented. This cluster comprises a 98th percentile at site 336 (6.4 ppm) and two 95th percentiles at sites 263 (6.3 ppm) and 336 (6.4 ppm). The central portion of the southern portion of the survey area is marked by two 100th percentiles of 8.4 ppm and 9.2 ppm at sites 254 and 326, respectively.

U: A six site cluster of anomalous U straddles the northern margin of the 1999 survey area. This response comprises two 100th percentiles (6.1 ppm and 10.8 ppm), two 99th percentile responses (both 5.7 ppm) and two 98th percentiles of 4.8 ppm. Isolated, single site 100th percentile responses occur west of the west end of Knee Lake at site 140 (9.1 ppm) and at site 278 (11.9 ppm) in tonalite and granodiorite intrusive terrain. A 99th percentile response occurs at site 326 (5.6 ppm) in the central portion of the southern half of the survey area.

Zn: Significant Zn responses are present in the 1999 survey area, however they tend to be single site 100th percentiles. These occur at sites 306 (178 ppm), 112 (131 ppm), 71 (189 ppm) and 68 (170 ppm). Site 112 is situated over an east-west-trending unit of felsic volcanic rocks just north of Knee Lake. A three site grouping of 98th percentiles occurs in the northwest corner of the survey area. These are sites 92 (91 ppm), 96 (97 ppm) and 97 (104 ppm). A two sample anomaly occurs in the southeast corner of the survey area at sites 271 (121 ppm) and 272 (130 ppm). These sites straddle the contact between sedimentary and volcanic rocks in this area.

TREE: Geochemical responses for TREE in the Knee Lake Belt are highest in the southern portion of the survey area where sedimentary rocks predominate over volcanic rocks. A linear, north-south-trending geochemical anomaly is situated at the southern shore of the west end of Knee Lake and persists for approximately 8-10 km. This trend comprises 100th –95th percentile responses. The 100th percentile occurs at site 254 which is immediately adjacent to the main north-south linear trend of the anomaly. Three 100th percentiles

are also documented from site 219 (near the Magill Lake intrusion), site 228 and site 340.

Hydrogen ion (H^+)

H^+: Two main clusters of anomalous H^+ responses occur in the 1999 survey data. The first is a broad, poorly focussed group of 7 responses that roughly cluster near the west end of Knee Lake. The responses are a mixture of a 100th percentile at site 249, two 99th percentile responses at sites 251 and 256 and four 98th percentiles at sites 76, 78, 211 and 292. Two isolated 100th percentiles occur along the northeast trend of Knee Lake at sites 301 and 308. A three site cluster of 100th, 99th and 98th percentiles occurs at sites 25, 28 and 29 at the northeast corner of the survey area.

Specific conductance *K* (water-extractable metal)

K: The major water-extractable anomalous response for humus samples in the 1999 survey area occurs on both the north and south shores of Knee Lake. These responses are more or less confined to the area of strongly foliated rocks within the SKSZ and are a mixture of 100th –95th percentiles. Elsewhere in the belt specific conductance responses are single site anomalies. These occur at sites 260 (100th percentile) and 338 (99th percentile) south of a narrow belt of mafic and felsic volcanic rocks and north of the southern boundary of the belt. A 100th percentile occurs at site 348 at or near the contact between volcanic and sedimentary rocks west of Bayly Lake.

Hg (flow injection mercury system)

Hg: The majority of the elevated Hg responses in the 1999 survey area are clustered around the central to west end of the lake in association with highly strained rocks within the SKSZ. Within this cluster are several 100th (sites 80 and 201; 340 and 420 ppb, respectively) and 99th (sites 299 and 307; 302 and 297 ppb, respectively) percentiles. A three site cluster comprising a single 100th percentile response (site 22, 374 ppb) and two 98th percentile responses (sites 23 and 45; 250 and 280 ppb, respectively) occurs along the northeast arm of Knee Lake in association with a north-south-trending band of felsic volcanic rocks. A single isolated 100th percentile response occurs at site 99 (321 ppb) near the northern boundary of the belt. A single 99th percentile response occurs within a narrow belt of mafic and felsic volcanic rocks that trend southeast from Oxford Lake. This response occurs at site 230 (303 ppb).

Inductively coupled plasma-atomic emission spectrometry (ICP-AES)

Mo: Only two samples contained measurable Mo in the 1999 survey area. These sites were at the northern boundary of the belt (site 99, 4 ppm) and on the northeast side of the Magill Lake intrusion (site 319; 3 ppm).

Cu: Low to moderate contrast Cu anomalies are identified in several localities in both the northern and southern portions of the 1999 survey area. In the north the anomalies are mainly associated with felsic volcanic units at site 15 (100th percentile, 25 ppm) or at or near the contact between the felsic and mafic volcanic units (site 312; 32 ppm). A 99th and 98th percentile response is recorded from sites 69 (24 ppm) and 70 (28 ppm) that are just west of the western terminus of a felsic volcanic unit. In the southern portion of the area a 100th percentile response occurs at site 222 (30 ppm). Two 98th percentiles occur near an apophysis of granodiorite that intrudes arkosic and greywacke-type sedimentary rocks at sites 225 (36 ppm) and 132 (19 ppm). A single 99th percentile response occurs at site 289 (24 ppm) at or near the volcanic-sedimentary rock contact in that area.

Pb: The majority of elevated Pb responses in the 1999 survey are located in the northern portion of the area. Two 100th percentiles at sites 15 (41 ppm) and 19 (35 ppm) are associated with a north-trending felsic volcanic unit that is a known host to massive sulphide-type mineralization. There is a proliferation of 98th and 95th percentile responses northwest of the west end of Knee Lake. Some of these occur at or near the northern boundary of the belt (sites 100 and 101). Sites 134 and 139 in the northwestern portion of the area document 100th percentile responses of 36 and 42 ppm, respectively in an area of no outcrop.

Zn: There are three 100th percentile responses in the central portion of Knee Lake associated with highly strained rocks within the SKSZ. These responses occur at sites 112 (101 ppm), 201 (92 ppm) and 306 (153 ppm); a 99th percentile response of 85 ppm occurs at adjacent site 307 in this anomalous area. Other elevated responses (99th percentiles) in the northern portion of the area occur at sites 45 (90 ppm) and 71 (85 ppm). A single 100th percentile response occurs at site 217 (104 ppm) in association with a rusty weathering, light green silicified basalt with 5% disseminated pyrite.

Ni: Relatively low to moderate contrast 100th percentile responses occur at sites 15 (24 ppm) in association with a felsic volcanic unit east of Cinder Lake and at site 32 (30 ppm). Another 100th percentile occurs at site 304 (22 ppm). A 99th percentile (21 ppm) occurs at site 80 within the SKSZ. In the southern portion of the survey area a 100th percentile occurs at site 326 (28 ppm) and a string of two 99th percentiles at site 263 (21 ppm) and site 336 (21 ppm) occur south of a thin mafic-felsic volcanic belt that trends southeast from Oxford Lake.

Mn: Elevated Mn in humus is associated with mafic volcanic rocks north of Pain Killer Bay. These occur at sites 69 (100th percentile 1407 ppm), 71 (99th percentile; 1122 ppm) and 68 (99th percentile; 1164 ppm). A single isolated 100th percentile response at site 92 (1387 ppm) occurs at or near the northern boundary of the belt. Elevated Mn responses (100th, 98th and 95th percentiles) occur within the SKSZ. The 100th percentile is documented from site 201 (2891 ppm). A second 100th percentile occurs near the southern boundary of the belt at site 260 (1231 ppm).

Sr: Strontium responses southwest of Cinder Lake define an approximately 15 km long, linear geochemical anomaly that was previously recognized for Fe, Cr and Na. This anomaly is low to moderate contrast with a single 100th percentile response at site 119 (164 ppm). Additional 100th percentiles occur at site 278 (130 ppm) and at 124 (140 ppm). Sites 124 and 278 are within granitic intrusive terrain. In the southern portion of the survey area a single 100th percentile is documented from site 229 (125 ppm) south of a southeast-trending, narrow felsic-mafic volcanic belt. A 99th percentile response occurs at site 326 (124 ppm).

V: The northeast end of the survey area is marked by a single isolated 100th percentile response for V at site 32 (45 ppm). Southwest of Cinder Lake there are two elevated V responses at sites 69 (99th percentile; 38 ppm) and 68 (98th percentile; 31 ppm). In the northwest portion of the survey area a two site anomaly, characterized by a 100th percentile (site 132; 54 ppm) and a 99th percentile (site 138; 36 ppm), is documented. There is no outcrop in the area of this anomaly. An isolated 100th percentile response occurs at site 326 (124 ppm).

Cd: Cadmium responses in the 1999 survey area are low, however the locations of elevated Cd in humus occurs in areas previously delineated as base metal anomalous. A three sample cluster of elevated Cd occurs at sites 13 (100th percentile; 1.3 ppm), 16 (99th percentile; 1.1 ppm) and 15 (95th percentile; 0.9 ppm). These responses are located directly over a north-south-trending linear belt of felsic volcanic rocks that hosts massive sulphide-type mineralization. Another multisite, low contrast response occurs south of Cinder Lake where a 100th percentile response is documented from site 8 (1.6 ppm); a 99th percentile of 1.3 ppm occurs to the east of site 8 at site 69. A single 99th percentile response occurs at site 80 in the SKSZ. The northwest portion of the survey area is marked by multisite anomalies in both volcanic and sedimentary rock dominated terrain. In the northern volcanic terrain a four site response occurs at sites 97 (100th percentile; 1.7 ppm), 96 (98th percentile; 1.2 ppm), 98 (95th percentile; 0.9 ppm) and 125 (95th percentile; 1.0 ppm). Southwest of this response a two site anomaly is documented at site 135 (100th percentile; 1.7 ppm) and site 123 (99th percentile; 1.4 ppm).

Ca: The majority of the elevated Ca responses in the 1999 survey area occur in a string of responses that trend west from the southwest shore of Cinder Lake along or close to the northern

boundary of the belt. This includes 100th percentile responses at sites 1 (5.97%) and 152 (6.05%). Single site isolated 100th percentile responses occur at sites 107 (5.75%) and 278 (5.80%). Site 278 is located in granitic intrusive terrain.

P: A multisite P anomaly occurs in the central portion of the survey area and is centered over an east-west-trending unit of felsic volcanic rocks. This response includes a 100th percentile at site 112 (0.193%) and four 98th percentiles at sites 306 (0.176%), 307 (0.177%), 312 (0.165%) and 313 (0.177%). There are a couple of 98th percentile responses at sites 201 and 250 in the SKSZ. Single, isolated 100th percentiles occur at sites 92 (0.254%) in the northwest corner of the survey area and at site 42 (0.284%) in granitic intrusive terrain at the eastern limits of sampling.

Mg: The majority of 100th percentile responses for Mg in the Knee Lake Belt occur in the southern portion of the 1999 survey area. A 100th (site 3; 0.52%) and 99th (site 9; 0.49%) percentile anomaly does occur south of Cinder Lake in the northern portion of the survey area. In the southern portion of the belt, 100th percentiles occur at site 132 (0.61%) in an area of no outcrop, at site 326 (0.84%) and at site 263 (0.66%) near the southern boundary of the belt in the area of previously reported ultramafic intrusions and where ultramafic cobbles were observed along the lakeshores. A 99th percentile occurs at site 229 (0.53%) just south of a narrow belt of mafic and felsic volcanic rocks.

Ti: The Knee Lake Belt is marked by low contrast Ti responses. The main trend observed in the data is a repetition of the 15 km long, north-northwest-trending linear geochemical anomaly developed southwest of Cinder Lake. This anomaly has been defined by Fe, Cr and other elements in humus as well as rock and b-horizon soil geochemistry. The Ti results within this response are characterized by 100th-95th percentile responses (0.09-0.15%). In the northeast corner of the survey area a 100th percentile is noted at site 32 (0.16%) in association with a light green, foliated, and carbonate altered basalt. A 98th percentile is recorded from site 16 (0.12%) in an area of no outcrop. Interestingly, this site is associated with a felsic volcanic unit that hosts massive sulphide-type mineralization. In the southern portion of the survey area 100th percentiles are observed at site 132 (0.18%) and at site 326 (0.15%). A 99th percentile occurs adjacent to site 132 at site 138 (0.15%). There is no outcrop in the vicinity of sites 132 and 138.

Al: The 15 km north-northwest trend delineated by Fe, Cr, Na and Ti in humus is also present for Al. This trend passes just west of the southwest end of Cinder Lake and includes 100th -95th percentile responses for Al. The 100th percentile for the Al trend occurs at site 119 (3.30%). Elsewhere a 100th percentile response is located at site 32 (3.47%) in strongly foliated and altered basalt and at site 326 (3.84%) in the southern portion of the survey area. A two site Al anomaly is documented from the western end of the area at sites 132 and 138. At these sites 100th percentile (site 132; 3.88%) and 99th percentile (site 138; 3.07%) responses are documented. At site 263 near the southern boundary of the belt a 99th percentile response of 3.13% is documented. This boundary is marked by the development of a major shear zone.

K: The K responses in the Cinder Lake area define the 15 km north-northwest trend previously identified in Fe, Cr, Na, Ti and Al in humus. The K responses in this trend contain two 100th percentiles of 1.04% (site 59) and 1.10% (site 119) in addition to 99th-95th percentiles. East of site 119 is another 100th percentile response at site 46 (1.07%). A 100th and 98th percentile response (0.95% and 0.76%) were obtained from adjacent sites 132 and 138. A 99th percentile response occurs at site 326 (0.86%) in the central portion of the belt.

Y: The 100th percentile responses as well as other significantly elevated Y analyses are located in the sedimentary rock dominated southern portion of the sampling area. Many of these are clustered south of the western end of Knee Lake in a linear 5 km trend. This trend comprises two 100th percentiles at sites 206 (19 ppm) and 326 (18 ppm) and 98th and 95th percentile responses. A 100th percentile

response occurs adjacent to site 326 at site 254 (29 ppm). Three other anomalous Y responses were documented in the southern survey area. These include site 219 (20 ppm), 228 (23 ppm) and 340 (21 ppm).

S: The anomalous S responses in the southern Knee Lake belt area are located within the SKSZ that is marked by multisite responses. The 100th percentile response of 0.27% occurs at site 312 where strongly foliated and altered basalt hosts near solid pyrite-pyrrhotite laminae. A two sample 100th percentile response occurs in the northwest corner of the sampling area at sites 92 and 130 (both 0.28%) in an area of no outcrop. The final 100th percentile occurs at site 321 (0.28%) near the northern tip of the Magill Lake intrusion.

Synthesis

The southern Knee Lake greenstone belt is characterized by metallogenetically significant structures such as the SKSZ, as well as belt-bounding high strain zones at its south margin and possibly at the north margin. Stratigraphic sequences interpreted to be highly prospective for massive sulphide-type mineralization are also present and have been demonstrated to host this style of mineral deposit, albeit with low base and precious metal contents. Each of these features has been delineated by a distinctive suite of elements that are elevated in humus.

The SKSZ, a transpressional shear zone, is marked by H^+, specific conductance *K* (water-extractable metal), Zn, S, Hg, P and Ba anomalies that reflect the presence of iron and base metal sulphides in this zone. The trend of the northeast arm of Knee Lake is probably controlled by additional structures and humus collected from this part of the survey area are marked by a similar suite of indicator elements in humus (H^+, Zn, Hg, Ni, Al and P). Abundant ground EM conductors have also been delineated by exploration programs along the SKSZ and the northeast arm (Hosain, 1999) and the humus anomalies are, in part, reflective of the structures responsible for these geophysical anomalies.

A good example of the ability of humus geochemical surveys to identify anomalous concentrations of metals in bedrock is given by the results east of Cinder Lake where thick intersections of massive sulphide have been identified during diamond drill testing of ground EM conductors. These mineralized zones are marked by Cu, Pb, Ni and Cd humus geochemical anomalies. Elsewhere in the 1999 survey area anomalous base and precious metal concentrations in humus identify prospective exploration targets. Examples might be the northwest portion of the survey area where high contrast, multisite anomalies for Cd, S and As have been documented. Another area of interest identified by humus geochemical anomalies is the periphery of the Magill Lake intrusion where anomalous As and Br has been identified in humus samples.

The presence of a rare element-enriched syenite at Cinder Lake has been identified by previous mapping in the area and geochemically documented by anomalous results in rock and b-horizon soil surveys. The geochemical surveys also delineated a north-northwest-trending linear geochemical anomaly southwest of Cinder Lake that has been interpreted to be associated with fractures coincident with the emplacement of the syenite. Humus results also identify this linear trend, albeit with a fewer number of indicator elements (Al, K and Sc).

In an area of no outcrop and particularly thick lacustrine clay-rich overburden the humus geochemical survey results from sites 132 and 138 are very interesting. At these sites the anomalous elements V, Mg, Ti, Cr, Fe, Rb, Sc, Th, Al and K are suggestive of a unique lithology. This multielement anomalous response should be assessed in terms of a possible ultramafic rock sequence.

Conclusions

The results of this humus geochemical survey in the southern Knee Lake greenstone belt indicate the following:

1) humus geochemical surveys undertaken at approximately 1 km sample spacing have successfully delineated areas of high

contrast, multisite base and precious metal anomalies as well as elements indicative of structure and unique lithologies worthy of follow-up;

2) regional metallogenetic features such as the SKSZ and the bounding shear zones at the north and south belt margins are identified as prospective targets for exploration;

3) humus geochemical anomalies at the southwestern end of Cinder Lake correlate to a suite of anomalous elements determined in outcrop chip samples and b-horizon soils that are suggestive of a north-northwest-trending fracture that may be related to the emplacement of a REE-enriched syenite at Cinder Lake;

4) felsic volcanic host rocks to known massive sulphide-type deposits east of Cinder Lake have a distinctive humus geochemical signature that comprises ore- and ore-related elements.

ICP-AES, H^+, *K* and Hg Analyses.

Sample Site	UTM		Mo	Cu	Pb	Zn	Ni	Mn	Sr	Cd	V	Ca	P	Mg	Ti	Al	K	Y	S
	Easting	Northing	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%	%	%	%	ppm	%
99H-1	381338.32	6086855.25	1	12	2.5	5	7	215	61	0.25	9	5.97	0.091	0.35	0.03	0.78	0.19	4	0.2
99H-2	379928.11	6087059.58	1	13	2.5	7	7	53	56	0.70	16	4.33	0.065	0.38	0.06	1.25	0.30	4	0.1
99H-3	380864.52	6085155.70	1	10	7.0	8	7	235	86	0.70	16	5.13	0.063	0.52	0.06	1.49	0.52	6	0.1
99H-4	385575.87	6057998.38	1	15	5.0	23	10	507	63	0.50	21	3.63	0.075	0.35	0.07	1.58	0.44	7	0.1
99H-5	386340.97	6060776.00	1	3	14.0	9	6	71	60	0.25	13	0.93	0.066	0.16	0.07	1.42	0.46	2	0.1
99H-6-1 Analytical Duplicate	385118.63	6064597.68	1	18	2.5	12	7	584	72	0.60	12	5.59	0.106	0.36	0.07	0.85	0.19	4	0.1
99H-6-2 Analytical Duplicate	385118.63	6064597.68	1	18	2.5	11	8	590	70	0.60	12	5.65	0.108	0.35	0.04	0.86	0.18	6	0.2
99H-7	380012.55	6085720.22	1	9	10.0	27	7	168	23	0.70	8	1.24	0.087	0.12	0.02	0.42	0.22	2	0.1
99H-8	381843.70	6085393.08	1	15	21.0	17	10	78	71	1.60	23	2.25	0.059	0.29	0.10	2.16	0.61	6	0.1
99H-9	381226.37	6084881.63	1	14	10.0	37	16	119	58	0.25	35	2.00	0.078	0.49	0.13	2.86	0.71	9	0.1
99H-10	380814.98	6083990.92	1	7	21.0	21	8	118	118	0.90	23	1.04	0.052	0.26	0.14	2.77	0.91	6	0.1
99H-11	382124.73	6084199.82	1	7	16.0	13	10	91	43	0.25	17	1.07	0.074	0.21	0.07	1.42	0.47	3	0.1
99H-12	384139.45	6089907.45	1	5	15.0	12	10	104	27	0.25	9	0.85	0.081	0.12	0.03	0.65	0.25	2	0.2
99H-13	385120.09	6089836.36	1	10	24.0	51	13	506	48	1.30	18	2.13	0.126	0.24	0.06	1.29	0.46	4	0.2
99H-14	386060.67	6089790.62	1	11	2.5	12	8	251	61	0.60	11	5.52	0.102	0.35	0.03	0.69	0.18	6	0.2
99H-15	385609.68	6088356.80	1	25	41.0	18	24	72	80	0.90	22	0.61	0.115	0.12	0.10	1.86	0.40	6	0.1
99H-16	386107.09	6089134.20	1	5	20.0	23	10	102	61	1.10	26	0.50	0.098	0.16	0.12	1.95	0.61	4	0.1
99H-17	386831.55	6088342.61	1	9	20.0	17	9	163	43	0.25	20	1.15	0.053	0.20	0.08	1.52	0.47	3	0.1
99H-18	384402.98	6085799.86	1	2	9.0	22	4	201	14	0.25	7	0.17	0.112	0.06	0.03	0.48	0.27	2	0.1
99H-19	383518.94	6085591.65	1	8	35.0	21	9	109	32	0.60	16	0.43	0.091	0.12	0.07	1.31	0.40	3	0.1
99H-20	385498.35	6085864.44	1	21	2.5	15	13	540	48	0.50	16	3.97	0.146	0.37	0.06	1.58	0.32	6	0.2
99H-21-1 Field Duplicate	384823.47	6085301.09	1	6	2.5	32	4	491	59	0.25	7	3.86	0.108	0.20	0.03	0.59	0.17	2	0.2
99H-21-2 Field Duplicate	384823.47	6085301.09	1	9	20.0	21	7	104	30	0.80	12	0.52	0.085	0.09	0.05	0.89	0.26	3	0.1
99H-22	383626.62	6084172.60	1	5	22.0	41	11	525	39	0.25	18	0.85	0.134	0.18	0.06	1.22	0.40	2	0.1
99H-23	382797.60	6083251.65	1	5	25.0	21	11	204	32	0.25	28	0.60	0.083	0.21	0.07	1.24	0.31	3	0.1
99H-24	383922.80	6083064.31	1	7	14.0	19	11	107	37	0.80	11	1.13	0.130	0.15	0.04	1.05	0.26	11	0.1
99H-25	390069.10	6090107.94	1	3	28.0	9	7	59	25	0.50	12	0.34	0.111	0.10	0.05	0.84	0.27	2	0.1
99H-26	389273.35	6089551.83	1	7	17.0	11	11	52	40	0.25	16	1.08	0.097	0.20	0.07	1.34	0.40	6	0.1
99H-27	388381.58	6088845.50	1	9	2.5	3	8	140	73	0.25	14	5.54	0.077	0.38	0.04	1.07	0.31	9	0.2
99H-28	391096.14	6090415.34	1	4	12.0	7	4	78	64	0.25	13	0.54	0.057	0.13	0.09	1.52	0.50	3	0.1
99H-29	390765.20	6089215.18	1	8	11.0	3	8	66	32	0.25	8	0.43	0.066	0.12	0.04	0.75	0.23	2	0.1
99H-30	389922.08	6088381.30	1	4	21.0	9	7	82	27	0.25	12	0.66	0.097	0.15	0.04	0.80	0.27	2	0.1
99H-31	387776.64	6087871.04	1	4	23.0	20	8	345	23	0.25	12	0.36	0.162	0.10	0.04	0.76	0.32	2	0.1
99H-32	389281.25	6087309.72	1	10	20.0	38	30	307	102	0.25	45	1.01	0.110	0.46	0.16	3.47	0.85	7	0.1
99H-33	387035.08	6086978.20	1	14	2.5	19	9	146	55	0.50	9	4.67	0.131	0.29	0.03	0.65	0.18	3	0.3
99H-34	388567.46	6086677.37	1	4	17.0	16	6	63	54	0.25	15	1.26	0.093	0.23	0.07	1.46	0.47	3	0.1
99H-35	390865.79	6088176.15	1	8	18.0	14	12	60	32	0.25	15	0.46	0.094	0.16	0.06	1.16	0.36	2	0.1
99H-36	390299.61	6087715.51	1	7	17.0	43	7	201	40	0.60	15	0.87	0.105	0.17	0.06	1.26	0.40	3	0.1
99H-37	391242.83	6087718.12	1	2	5.0	19	2	26	22	1.00	2	1.23	0.066	0.11	0.01	0.09	0.05	2	0.1
99H-38	392410.86	6087648.10	1	2	15.0	12	7	89	21	0.25	9	0.43	0.070	0.08	0.03	0.61	0.19	2	0.1
99H-39	392898.97	6086971.53	1	4	14.0	13	6	90	42	0.25	11	1.06	0.070	0.15	0.05	0.92	0.32	2	0.2
99H-40	392559.91	6086340.04	1	17	5.0	17	10	681	91	0.25	19	4.83	0.155	0.31	0.08	1.79	0.46	10	0.2

Sample Site	UTM		Mo	Cu	Pb	Zn	Ni	Mn	Sr	Cd	V	Ca	P	Mg	Ti	Al	K	Y	S
	Easting	Northing	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%	%	%	%	ppm	%
99H-41-1 Field Duplicate	391167.56	6086589.75	1	13	15.0	45	16	169	58	0.25	30	1.12	0.101	0.39	0.10	2.17	0.67	6	0.1
99H-41-2 Field Duplicate	391167.56	6086589.75	1	8	11.0	30	11	283	37	0.25	20	1.50	0.116	0.27	0.06	1.24	0.34	4	0.1
99H-42	391238.39	6085940.29	1	10	11.0	19	7	80	33	0.25	11	1.46	0.284	0.23	0.03	0.87	0.34	8	0.3
99H-43	389804.68	6084999.49	1	4	13.0	12	8	44	51	0.25	15	0.59	0.104	0.14	0.06	1.44	0.41	4	0.2
99H-44	389261.00	6083667.72	1	15	2.5	15	10	117	64	0.25	15	4.33	0.086	0.32	0.05	1.09	0.29	8	0.2
99H-45	386653.33	6084343.11	1	9	22.0	90	12	654	41	0.60	16	0.84	0.151	0.15	0.06	1.03	0.31	2	0.2
99H-46	385883.41	6083393.71	1	9	8.0	20	10	370	119	0.25	24	2.45	0.078	0.36	0.13	2.89	1.07	8	0.1
99H-47	384919.22	6082875.51	1	21	2.5	9	6	219	38	0.25	5	3.75	0.115	0.21	0.02	0.35	0.11	2	0.2
99H-48-1 Analytical Duplicate	383904.64	6082648.05	1	6	16.0	37	11	106	38	0.25	16	1.10	0.113	0.18	0.05	1.14	0.31	8	0.1
99H-48-2 Analytical Duplicate	383904.64	6082648.05	1	9	16.0	36	10	103	36	0.25	14	1.09	0.106	0.17	0.05	1.12	0.31	8	0.1
99H-49	388981.01	6090705.90	1	7	28.0	16	6	588	45	0.25	10	2.41	0.133	0.26	0.04	0.82	0.29	2	0.2
99H-50	387427.39	6090166.15	1	7	26.0	46	12	135	49	0.25	22	1.44	0.081	0.20	0.07	1.64	0.45	4	0.1
99H-51	385816.88	6087616.81	1	14	17.0	26	11	540	48	0.25	14	3.63	0.089	0.15	0.04	1.07	0.22	7	0.2
99H-52	382575.20	6088407.01	1	10	2.5	7	4	87	31	0.25	7	2.66	0.057	0.20	0.02	0.58	0.11	2	0.1
99H-53	381611.17	6087984.39	1	8	22.0	35	11	571	55	0.60	16	2.00	0.088	0.25	0.06	1.30	0.45	4	0.1
99H-54	380446.70	6088630.40	1	8	26.0	31	17	263	72	0.25	30	1.29	0.102	0.33	0.12	2.41	0.75	6	0.1
99H-55	384763.43	6089168.41	1	5	21.0	22	8	50	34	0.25	17	0.70	0.067	0.13	0.07	1.16	0.34	3	0.1
99H-56	384593.57	6087985.36	1	2	12.0	21	4	145	13	0.25	7	0.27	0.095	0.06	0.03	0.44	0.20	2	0.1
99H-57	380747.02	6088073.86	1	13	25.0	26	15	241	76	0.70	28	1.89	0.113	0.38	0.11	2.34	0.64	6	0.1
99H-58	379201.36	6089481.35	1	6	7.0	27	8	221	49	1.00	9	1.55	0.145	0.12	0.03	0.86	0.38	2	0.2
99H-59	376870.52	6089445.37	1	6	10.0	35	12	133	102	0.25	31	2.38	0.083	0.46	0.14	3.12	1.04	8	0.1
99H-60	377624.11	6088152.06	1	2	2.5	2	2	5	11	0.25	2	0.37	0.010	0.01	0.01	0.10	0.02	2	0.0
99H-61	373483.58	6087490.54	1	2	2.5	7	3	18	38	0.25	7	1.80	0.059	0.21	0.03	0.54	0.12	2	0.2
99H-62	374649.11	6089718.54	1	2	2.5	4	2	5	20	0.25	2	1.05	0.022	0.07	0.02	0.39	0.08	2	0.1
99H-63	371851.38	6084985.15	1	10	11.0	13	8	278	25	1.00	8	1.44	0.057	0.14	0.03	0.92	0.18	4	0.1
99H-64	370818.75	6084894.62	1	9	21.0	27	15	263	52	0.25	20	2.34	0.092	0.36	0.07	1.45	0.49	7	0.2
99H-65	371421.23	6083690.52	1	4	22.0	23	7	70	26	0.25	11	1.03	0.119	0.11	0.03	0.66	0.25	2	0.2
99H-66	370239.75	6083375.40	1	2	2.5	3	2	65	17	0.25	2	1.03	0.018	0.08	0.01	0.07	0.01	2	0.0
99H-67	369512.90	6082951.85	1	12	2.5	11	9	102	68	0.25	16	3.77	0.091	0.37	0.05	1.13	0.29	7	0.2
99H-68	378482.32	6086547.36	1	16	28.0	58	16	1164	75	1.00	31	2.36	0.100	0.42	0.12	2.45	0.74	11	0.1
99H-69	378901.57	6085104.21	1	24	25.0	70	20	1407	73	1.30	38	2.60	0.084	0.48	0.12	2.81	0.78	11	0.1
99H-70-1 Field Duplicate	377176.25	6084802.55	1	18	16.0	16	13	362	42	0.60	13	2.41	0.124	0.25	0.04	0.83	0.32	4	0.2
99H-70-2 Field Duplicate	377176.25	6084802.55	1	23	15.5	15	18	387	50	0.43	16	2.42	0.118	0.29	0.05	1.14	0.39	6	0.2
99H-71	375594.28	6084702.04	1	7	18.0	85	10	1122	64	0.80	13	2.61	0.178	0.32	0.04	0.73	0.29	2	0.2
99H-72	370123.86	6085972.41	1	8	24.0	26	11	123	34	0.60	15	1.22	0.098	0.16	0.05	1.10	0.36	4	0.2
99H-73	370656.16	6087109.32	1	8	28.0	28	9	183	50	0.60	17	1.59	0.052	0.22	0.06	1.32	0.44	3	0.1
99H-74	368347.58	6082970.14	1	9	26.0	36	12	196	49	0.60	25	1.13	0.115	0.25	0.09	1.76	0.61	6	0.1
99H-75	367566.14	6083452.59	1	6	26.0	34	9	426	33	0.80	15	1.07	0.109	0.15	0.05	1.02	0.39	2	0.1
99H-76-1 Analytical Duplicate	366875.73	6082011.38	1	3	9.0	11	4	87	26	0.50	7	0.63	0.053	0.06	0.02	0.41	0.13	2	0.1
99H-76-2 Analytical Duplicate	366875.73	6082011.38	1	3	10.0	12	4	93	23	0.50	7	0.68	0.055	0.06	0.02	0.43	0.13	2	0.1
99H-77	366237.10	6081599.59	1	4	22.0	46	8	601	30	0.25	14	0.76	0.105	0.13	0.06	0.96	0.40	2	0.1
99H-78	368777.48	6081793.37	1	3	14.0	5	3	32	42	0.25	9	0.54	0.060	0.09	0.05	0.88	0.29	2	0.1
99H-79	369918.79	6081283.90	1	6	9.0	12	6	132	42	0.70	7	3.20	0.093	0.26	0.03	0.53	0.19	2	0.2
99H-80	371536.33	6081711.47	1	11	33.0	56	21	209	42	1.40	19	0.59	0.161	0.14	0.05	1.23	0.37	6	0.2
99H-81	370746.10	6087688.00	1	8	26.0	32	8	134	96	0.25	17	0.89	0.062	0.17	0.10	2.05	0.72	4	0.1
99H-82-1 Field Duplicate	372516.50	6088851.06	1	7	2.5	5	4	80	67	0.25	9	5.35	0.085	0.31	0.03	0.66	0.15	2	0.2
99H-82-2 Field Duplicate	372516.50	6088851.06	1	6	2.5	6	4	72	66	0.25	9	4.73	0.077	0.31	0.04	0.78	0.20	3	0.2
99H-83	372026.99	6090288.56	1	17	24.0	13	7	536	73	1.00	15	2.79	0.061	0.23	0.07	1.59	0.49	6	0.1
99H-84	370517.90	6089778.24	1	7	2.5	4	3	55	59	0.25	7	5.13	0.065	0.25	0.02	0.41	0.07	2	0.2

Sample Site	UTM		Mo	Cu	Pb	Zn	Ni	Mn	Sr	Cd	V	Ca	P	Mg	Ti	Al	K	Y	S
	Easting	Northing	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%	%	%	%	ppm	%
99H-85	370224.45	6088963.94	1	7	16.0	16	7	280	118	0.25	17	3.45	0.052	0.29	0.08	2.22	0.77	6	0.1
99H-86	370086.72	6088310.03	1	6	25.0	16	9	339	36	0.25	13	1.77	0.082	0.18	0.04	0.86	0.31	3	0.2
99H-87	365628.38	6087349.81	1	9	24.0	21	15	743	37	0.25	15	1.68	0.100	0.20	0.05	1.16	0.35	13	0.2
99H-88	366652.68	6088345.47	1	11	27.0	24	12	445	47	0.50	17	2.49	0.118	0.29	0.05	0.99	0.36	3	0.2
99H-89	359762.87	6089860.45	1	4	14.0	10	7	31	26	0.25	9	0.64	0.100	0.09	0.03	0.63	0.19	3	0.1
99H-90	360419.16	6090713.89	1	5	20.0	25	8	372	29	0.25	7	0.60	0.073	0.08	0.04	0.72	0.26	2	0.1
99H-91	367854.62	6089411.77	1	4	17.0	28	9	156	23	0.25	7	0.62	0.077	0.09	0.05	0.62	0.25	2	0.2
99H-92	358969.17	6089064.02	1	2	2.5	83	3	1387	59	0.25	6	2.58	0.254	0.12	0.01	0.20	0.03	2	0.3
99H-93	360817.18	6089935.46	1	13	17.0	8	8	139	40	0.70	11	2.82	0.091	0.26	0.02	0.44	0.21	3	0.2
99H-94	361334.61	6088793.40	1	10	27.0	19	14	217	73	0.50	19	1.28	0.099	0.20	0.09	1.78	0.61	4	0.1
99H-95	359548.28	6088342.12	1	12	32.0	26	14	493	68	0.80	23	1.69	0.113	0.28	0.11	1.88	0.69	6	0.1
99H-96	360462.48	6087420.55	1	6	17.0	52	12	955	33	1.20	13	1.32	0.149	0.14	0.04	0.83	0.40	2	0.2
99H-97	361670.11	6088011.47	1	10	24.0	44	10	207	33	1.70	11	0.98	0.088	0.11	0.04	0.78	0.29	3	0.1
99H-98	360997.64	6086474.25	1	8	28.0	32	11	358	30	0.90	11	1.71	0.109	0.13	0.03	0.64	0.28	7	0.2
99H-99	366531.44	6089734.77	4	7	20.0	26	9	89	42	0.25	19	0.84	0.067	0.17	0.07	1.34	0.41	3	0.1
99H-100	365660.55	6089907.35	1	8	29.0	34	7	200	83	0.50	16	0.56	0.066	0.12	0.09	1.80	0.59	3	0.1
99H-101-1 Field Duplicate	364004.46	6090265.61	1	11	37.0	18	16	94	59	0.70	19	0.53	0.092	0.16	0.09	1.72	0.53	6	0.1
99H-101-2 Field Duplicate	364004.46	6090265.61	1	6	21.0	50	9	514	26	0.50	9	0.68	0.097	0.09	0.04	0.67	0.29	2	0.1
99H-102	365042.73	6085719.91	1	7	25.0	32	13	137	37	0.25	15	0.92	0.083	0.15	0.05	0.96	0.35	3	0.2
99H-103	363623.14	6086658.21	1	10	21.0	45	12	360	46	0.60	19	0.99	0.108	0.21	0.07	1.36	0.45	3	0.1
99H-104	365252.32	6088140.42	1	10	15.0	15	11	304	42	0.70	11	2.27	0.101	0.20	0.03	0.70	0.23	4	0.2
99H-105	369243.39	6088065.28	1	9	2.5	9	8	68	107	0.25	15	4.96	0.085	0.38	0.05	1.12	0.24	4	0.2
99H-106	369259.00	6087478.80	1	11	27.0	17	9	322	62	0.50	17	3.74	0.061	0.28	0.07	1.45	0.47	6	0.1
99H-107	367342.33	6086563.25	1	7	2.5	3	4	106	102	0.25	5	5.75	0.064	0.33	0.02	0.42	0.09	2	0.2
99H-108	366150.70	6085252.06	1	10	30.0	23	9	174	42	0.25	11	2.56	0.063	0.24	0.04	0.75	0.26	4	0.1
99H-109	368585.13	6084340.09	1	13	29.0	21	13	905	49	0.70	17	2.87	0.072	0.25	0.05	1.02	0.34	8	0.1
99H-110	365361.78	6084343.39	1	16	23.0	21	19	280	66	0.25	21	2.54	0.089	0.34	0.07	1.41	0.47	17	0.1
99H-111	371414.93	6082844.68	1	8	19.0	16	8	111	53	0.70	15	1.02	0.081	0.15	0.06	1.25	0.39	3	0.1
99H-112	373206.39	6082560.89	1	5	26.0	101	7	305	23	0.90	11	0.70	0.193	0.13	0.05	0.72	0.36	2	0.1
99H-113	374372.83	6082434.83	1	4	8.0	27	6	101	18	0.50	2	0.76	0.106	0.07	0.01	0.26	0.18	2	0.2
99H-114	375612.85	6082701.79	1	9	8.0	36	4	33	42	0.50	5	1.74	0.070	0.12	0.02	0.34	0.09	2	0.2
99H-115	376837.58	6083283.99	1	12	2.5	7	8	102	69	0.25	13	4.60	0.071	0.35	0.04	0.90	0.20	4	0.2
99H-116-1 Analytical Duplicate	376836.61	6082259.30	1	7	13.0	15	8	270	33	0.25	6	1.90	0.112	0.21	0.02	0.48	0.28	2	0.2
99H-116-2 Analytical Duplicate	376836.61	6082259.30	1	7	13.0	16	8	272	31	0.25	6	1.92	0.111	0.21	0.02	0.49	0.28	2	0.2
99H-117	377727.45	6082617.72	1	9	13.0	28	10	520	38	0.25	6	2.52	0.138	0.21	0.03	0.55	0.31	2	0.2
99H-118	380435.24	6082526.84	1	7	19.0	29	8	251	33	0.25	12	1.44	0.087	0.16	0.04	0.81	0.27	3	0.2
99H-119	382085.70	6083046.21	1	3	15.0	22	8	298	164	0.25	23	1.19	0.086	0.25	0.10	3.30	1.10	4	0.1
99H-120	356959.53	6089846.66	1	11	25.0	25	12	152	35	0.90	12	1.90	0.110	0.19	0.05	0.95	0.34	6	0.2
99H-121	356420.52	6088346.81	1	4	19.0	20	7	159	38	0.70	16	0.50	0.073	0.12	0.07	1.20	0.41	2	0.1
99H-122	355531.65	6086917.04	1	3	18.0	21	6	71	24	0.25	8	0.49	0.072	0.09	0.04	0.73	0.24	2	0.1
99H-123	357174.69	6086097.90	1	8	28.0	25	13	225	34	1.40	19	0.75	0.112	0.17	0.07	1.25	0.46	3	0.1
99H-124-1 Field Duplicate	362147.22	6090729.66	1	9	2.5	9	5	81	140	0.25	6	5.29	0.070	0.40	0.03	0.57	0.14	2	0.2
99H-124-2 Field Duplicate	362147.22	6090729.66	1	5	2.5	3	2	67	130	0.25	2	4.93	0.063	0.39	0.01	0.28	0.06	2	0.2
99H-125	362574.30	6088793.60	1	14	17.0	17	10	454	64	1.00	17	2.90	0.059	0.27	0.08	1.58	0.47	4	0.1
99H-126	359632.73	6085112.70	1	13	19.0	10	8	264	57	0.25	13	3.82	0.086	0.32	0.04	0.79	0.25	4	0.2
99H-127	359088.91	6087067.02	1	6	25.0	23	9	120	28	0.25	14	0.61	0.091	0.13	0.05	0.94	0.32	2	0.1
99H-129	354975.32	6089429.73	1	8	2.5	3	3	51	99	0.25	2	5.52	0.085	0.28	0.02	0.31	0.07	2	0.2
99H-130	358359.43	6088287.11	1	2	2.5	8	2	5	52	0.25	2	1.71	0.049	0.04	0.01	0.20	0.02	2	0.3
99H-131	356359.18	6084946.56	1	13	16.0	15	11	197	43	0.25	14	2.50	0.108	0.25	0.04	0.90	0.31	10	0.2

Sample Site	UTM		Mo	Cu	Pb	Zn	Ni	Mn	Sr	Cd	V	Ca	P	Mg	Ti	Al	K	Y	S
	Easting	Northing	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%	%	%	%	ppm	%
99H-132	352858.25	6086503.69	1	19	12.0	45	20	105	119	0.25	54	2.74	0.084	0.61	0.18	3.88	0.95	7	0.1
99H-133	350961.55	6085671.72	1	7	2.5	15	3	23	60	0.25	8	3.20	0.071	0.18	0.03	0.67	0.13	2	0.2
99H-134	353845.36	6085793.03	1	18	36.0	25	13	360	46	0.90	18	1.65	0.078	0.21	0.06	1.24	0.36	7	0.1
99H-135	354883.31	6084079.64	1	8	15.0	58	8	640	30	1.70	6	1.69	0.113	0.13	0.02	0.47	0.26	2	0.2
99H-136	349567.90	6083833.12	1	11	33.0	60	10	502	37	0.70	13	1.30	0.083	0.18	0.06	0.99	0.33	2	0.1
99H-137	351850.75	6084320.15	1	13	2.5	17	6	120	71	0.25	8	4.79	0.069	0.30	0.03	0.59	0.13	2	0.1
99H-138	352071.35	6085574.59	1	13	9.0	39	13	66	79	0.25	36	2.85	0.119	0.40	0.15	3.07	0.76	8	0.1
99H-139	357564.78	6084160.24	1	12	42.0	42	11	890	55	0.60	22	2.37	0.070	0.30	0.08	1.66	0.52	6	0.1
99H-140	363864.01	6082169.82	1	20	7.0	58	10	378	79	0.50	19	4.67	0.074	0.41	0.06	1.31	0.35	7	0.1
99H-141-1 Field Duplicate	362142.99	6084076.48	1	14	36.0	83	19	720	65	1.60	31	1.76	0.119	0.31	0.12	2.31	0.73	6	0.1
99H-141-2 Field Duplicate	362142.99	6084076.48	1	5	20.0	21	8	104	31	0.50	13	0.64	0.102	0.12	0.05	0.99	0.36	2	0.1
99H-142	361255.11	6081288.51	1	10	21.0	19	7	112	40	0.50	13	1.75	0.113	0.14	0.05	0.91	0.28	4	0.1
99H-143	362408.96	6082666.92	1	17	13.0	31	18	115	100	0.25	34	2.87	0.082	0.51	0.10	2.44	0.55	9	0.1
99H-144-1 Analytical Duplicate	365789.89	6083994.83	1	14	21.0	29	10	132	71	0.25	14	3.38	0.084	0.32	0.04	0.88	0.31	9	0.2
99H-144-2 Analytical Duplicate	365789.89	6083994.83	1	14	22.0	29	10	134	71	0.25	14	3.37	0.086	0.33	0.04	0.88	0.31	9	0.2
99H-145	365012.13	6082425.90	1	10	12.0	24	5	256	90	0.25	13	4.33	0.081	0.25	0.07	1.66	0.52	4	0.1
99H-146	388300.25	6089844.48	1	2	2.5	4	2	5	14	0.25	2	0.69	0.010	0.03	0.01	0.05	0.01	2	0.0
99H-147	382347.59	6086399.71	1	7	27.0	24	6	264	31	0.25	13	0.91	0.072	0.14	0.05	1.00	0.36	3	0.1
99H-148	373091.61	6084449.15	1	7	20.0	20	7	188	34	0.60	11	1.13	0.061	0.15	0.04	0.98	0.28	3	0.1
99H-149	370525.75	6084197.53	1	10	17.0	22	7	72	71	0.50	18	1.78	0.052	0.22	0.08	1.74	0.63	4	0.1
99H-150	378340.48	6088920.71	1	7	2.5	20	4	40	62	0.25	11	3.13	0.055	0.27	0.05	1.24	0.32	3	0.1
99H-151	379171.14	6087918.37	1	18	2.5	26	9	607	91	0.25	17	5.36	0.078	0.38	0.08	1.80	0.56	9	0.1
99H-152	375414.93	6088856.96	1	7	2.5	18	2	23	56	0.25	5	6.05	0.064	0.23	0.02	0.40	0.07	2	0.1
99H-153	375984.68	6087777.88	1	11	5.0	26	9	586	88	0.25	22	4.12	0.062	0.35	0.08	1.61	0.40	4	0.1
99H-154	376668.36	6087121.26	1	7	12.0	42	3	39	33	0.50	5	1.59	0.057	0.15	0.03	0.65	0.21	2	0.1
99H-155	375877.60	6086516.58	1	5	22.0	28	6	142	55	0.25	14	0.78	0.067	0.14	0.06	1.33	0.47	2	0.1
99H-156	373995.52	6086125.05	1	8	22.0	33	7	228	54	0.25	12	1.45	0.050	0.17	0.06	1.34	0.44	3	0.1
99H-157	372027.71	6087027.04	1	4	2.5	23	2	385	68	0.25	2	4.94	0.069	0.32	0.01	0.20	0.07	2	0.2
99H-201	371334.99	6079065.23	1	8	26.0	92	8	2891	31	0.25	8	1.61	0.182	0.11	0.03	0.58	0.24	2	0.2
99H-202	370612.18	6078749.88	1	8	25.0	27	10	230	41	0.25	16	1.15	0.155	0.18	0.06	1.14	0.41	2	0.2
99H-203	369733.49	6079116.31	1	10	7.0	24	13	237	50	0.25	16	2.47	0.112	0.29	0.05	1.26	0.35	17	0.2
99H-204	368745.75	6078704.52	1	5	14.0	34	5	144	27	0.25	7	1.37	0.108	0.13	0.03	0.54	0.19	3	0.2
99H-205	367736.72	6078107.25	1	9	13.0	22	8	107	35	0.25	9	1.54	0.093	0.15	0.03	0.76	0.22	9	0.1
99H-206	366185.42	6077629.58	1	15	25.0	28	14	832	54	0.25	23	1.68	0.101	0.31	0.08	1.78	0.48	19	0.1
99H-207	370205.14	6080422.95	1	5	15.0	16	6	56	36	0.25	10	1.21	0.133	0.14	0.04	0.89	0.28	3	0.2
99H-208	365599.84	6076900.47	1	9	12.0	32	7	40	39	0.25	10	1.14	0.066	0.16	0.05	0.90	0.27	6	0.1
99H-209	367275.47	6079004.52	1	10	15.0	22	12	129	49	0.25	14	1.67	0.108	0.23	0.05	1.15	0.32	10	0.2
99H-210	367991.68	6079460.20	1	6	18.0	23	9	90	44	0.25	21	1.48	0.125	0.20	0.06	1.32	0.39	7	0.2
99H-211	368856.57	6080449.74	1	4	16.0	24	3	80	27	0.70	9	0.69	0.091	0.09	0.03	0.62	0.23	2	0.1
99H-212	367569.80	6080402.33	1	17	14.0	34	16	311	56	0.25	21	2.07	0.109	0.34	0.07	1.56	0.39	13	0.1
99H-213	365183.13	6079542.10	1	9	19.0	24	14	580	53	0.25	12	2.32	0.179	0.20	0.04	0.86	0.30	9	0.2
99H-214	360603.87	6076390.98	1	10	2.5	37	3	76	91	0.25	3	5.31	0.088	0.34	0.02	0.34	0.10	2	0.3
99H-215	360976.40	6074963.41	1	4	18.0	31	8	108	19	0.25	7	0.39	0.085	0.07	0.03	0.56	0.23	2	0.1
99H-216	360316.32	6077803.64	1	12	15.0	24	12	77	48	0.25	14	1.84	0.088	0.22	0.05	0.98	0.29	10	0.2
99H-217	359631.41	6079022.59	1	16	26.0	104	16	442	60	0.60	19	2.83	0.134	0.34	0.06	1.36	0.48	6	0.2
99H-218	363444.79	6074383.10	1	13	25.0	32	13	447	61	0.25	26	2.94	0.071	0.39	0.09	1.99	0.55	14	0.1
99H-219-1 Field Duplicate	367825.77	6068425.98	1	12	18.0	38	17	376	51	0.50	27	1.97	0.111	0.44	0.08	2.12	0.58	19	0.1
99H-219-2 Field Duplicate	367825.77	6068425.98	1	13	20.0	42	20	405	57	0.25	35	1.89	0.111	0.52	0.11	2.63	0.71	20	0.1
99H-220	368431.98	6067452.60	1	6	18.0	26	8	93	23	0.50	5	0.39	0.098	0.06	0.03	0.48	0.27	2	0.1

Sample Site	UTM		Mo	Cu	Pb	Zn	Ni	Mn	Sr	Cd	V	Ca	P	Mg	Ti	Al	K	Y	S
	Easting	Northing	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%	%	%	%	ppm	%
99H-221	360246.41	6081552.52	1	9	24.0	19	7	35	31	0.60	11	0.71	0.098	0.10	0.05	0.85	0.27	2	0.1
99H-222	356447.39	6083211.54	1	30	2.5	22	15	132	76	0.70	13	5.63	0.111	0.33	0.04	0.90	0.20	7	0.2
99H-223	355505.67	6083205.01	1	4	19.0	28	4	21	21	0.90	5	0.91	0.072	0.08	0.02	0.42	0.15	2	0.1
99H-224	350117.78	6081716.84	1	4	21.0	14	6	51	27	0.25	9	0.63	0.058	0.11	0.04	0.78	0.27	2	0.1
99H-225-1 Field Duplicate	350702.40	6083206.61	1	36	2.5	32	18	332	83	0.25	20	5.26	0.095	0.40	0.07	1.48	0.35	7	0.1
99H-225-2 Field Duplicate	350702.40	6083206.61	1	2	2.5	52	2	30	45	0.25	2	5.30	0.059	0.24	0.01	0.15	0.04	2	0.2
99H-226	354277.47	6083205.79	1	6	15.0	60	7	834	20	0.70	6	0.75	0.141	0.08	0.03	0.52	0.28	2	0.1
99H-227	355381.59	6075600.60	1	8	21.0	54	6	549	30	0.70	9	0.97	0.123	0.13	0.04	0.76	0.33	2	0.2
99H-228-1 Analytical Duplicate	353986.25	6074843.74	1	14	19.0	37	19	392	53	0.25	21	1.87	0.113	0.32	0.07	1.55	0.47	23	0.2
99H-228-2 Analytical Duplicate	353986.25	6074843.74	1	14	19.0	36	18	385	52	0.25	21	1.83	0.108	0.31	0.07	1.52	0.46	23	0.2
99H-229	353511.14	6076295.59	1	18	13.0	35	16	311	125	0.25	38	3.68	0.122	0.53	0.11	2.31	0.61	9	0.2
99H-230-1 Field Duplicate	355405.44	6076684.24	1	9	18.0	71	6	891	22	0.25	4	0.86	0.136	0.10	0.02	0.42	0.20	2	0.2
99H-230-2 Field Duplicate	355405.44	6076684.24	1	8	18.0	47	5	89	37	0.70	13	0.77	0.104	0.12	0.06	1.02	0.31	2	0.2
99H-231	352016.78	6076101.86	1	8	26.0	21	9	67	41	0.25	20	0.56	0.091	0.17	0.09	1.44	0.46	3	0.1
99H-232	353290.64	6078687.59	1	7	12.0	23	7	104	36	0.25	17	0.85	0.058	0.17	0.07	1.26	0.35	4	0.1
99H-233	353080.39	6072997.78	1	5	26.0	23	5	45	24	0.70	7	0.67	0.071	0.10	0.03	0.61	0.22	2	0.1
99H-234	352085.67	6071913.45	1	4	25.0	34	5	35	24	0.25	7	0.60	0.076	0.07	0.03	0.56	0.22	2	0.1
99H-235	352971.33	6071021.91	1	6	20.0	21	7	82	29	0.25	9	0.68	0.072	0.08	0.04	0.67	0.23	2	0.1
99H-236	375222.72	6068829.48	1	6	21.0	15	8	60	31	0.50	9	0.57	0.126	0.10	0.04	0.75	0.24	2	0.2
99H-237	373322.15	6067669.32	1	7	24.0	38	13	335	41	0.60	20	0.51	0.157	0.17	0.09	1.50	0.48	2	0.1
99H-238	372452.18	6069244.38	1	3	19.0	19	5	65	26	0.25	7	0.38	0.086	0.07	0.03	0.56	0.26	2	0.1
99H-239	368922.50	6069508.74	1	7	20.0	46	8	75	29	0.25	11	0.46	0.087	0.10	0.05	0.84	0.32	2	0.1
99H-240	370909.02	6070515.51	1	15	34.0	40	12	430	62	0.70	19	3.64	0.122	0.32	0.06	1.33	0.38	7	0.2
99H-241-1 Analytical Duplicate	372758.61	6071129.61	1	8	23.0	44	10	88	42	0.25	13	0.73	0.079	0.15	0.06	1.19	0.40	3	0.1
99H-241-2 Analytical Duplicate	372758.61	6071129.61	1	8	24.0	44	10	80	42	0.25	15	0.67	0.081	0.15	0.06	1.23	0.42	3	0.1
99H-242	370633.94	6066046.81	1	8	22.0	24	8	162	70	0.25	10	0.60	0.089	0.09	0.05	1.25	0.23	2	0.1
99H-243	373883.08	6066058.33	1	6	19.0	24	10	128	27	0.25	10	1.00	0.117	0.13	0.04	0.80	0.25	3	0.2
99H-244	374717.33	6075559.23	1	10	25.0	31	12	151	34	0.25	12	1.94	0.103	0.20	0.04	0.80	0.29	7	0.1
99H-245	373013.86	6074903.92	1	5	12.0	31	6	78	20	0.25	6	0.38	0.099	0.08	0.03	0.53	0.22	2	0.1
99H-246	375209.93	6072610.07	1	5	13.0	15	5	15	22	0.25	5	0.95	0.078	0.14	0.02	0.38	0.15	2	0.2
99H-247	367223.27	6077159.70	1	8	23.0	24	12	75	43	0.25	19	0.79	0.094	0.19	0.07	1.45	0.41	12	0.1
99H-248-1 Field Duplicate	363998.87	6080166.06	1	8	23.0	34	9	267	40	0.25	14	1.78	0.098	0.23	0.05	0.97	0.36	2	0.2
99H-248-2 Field Duplicate	363998.87	6080166.06	1	9	22.0	47	8	243	35	0.25	10	1.85	0.101	0.21	0.04	0.69	0.28	2	0.2
99H-249	366434.90	6080165.02	1	5	21.0	19	9	54	28	0.25	12	0.28	0.100	0.08	0.05	0.89	0.29	2	0.1
99H-250	365625.09	6080983.27	1	10	15.0	25	10	158	42	0.25	10	2.18	0.169	0.17	0.02	0.57	0.23	11	0.2
99H-251	369454.61	6077674.80	1	3	11.0	10	3	20	27	0.25	4	0.39	0.065	0.06	0.02	0.44	0.16	2	0.1
99H-252	370212.70	6077226.07	1	5	16.0	55	7	98	23	1.00	6	0.88	0.147	0.08	0.02	0.41	0.22	2	0.1
99H-253	369727.62	6076391.19	1	5	16.0	37	6	560	32	0.50	8	1.87	0.113	0.22	0.03	0.56	0.23	2	0.2
99H-254	369294.01	6075027.52	1	16	12.0	35	17	293	56	0.25	20	1.91	0.118	0.23	0.06	1.73	0.39	29	0.1
99H-255	369082.74	6074188.19	1	8	17.0	33	12	66	45	0.25	18	0.50	0.122	0.16	0.07	1.44	0.39	6	0.1
99H-256	372073.59	6075860.94	1	5	14.0	17	6	68	31	0.25	16	0.38	0.083	0.10	0.06	1.06	0.36	2	0.1
99H-257	370578.92	6075052.05	1	5	24.0	47	6	620	23	0.25	11	0.74	0.110	0.08	0.03	0.61	0.25	2	0.1
99H-258	368572.08	6072950.08	1	5	22.0	31	8	248	38	0.25	12	0.93	0.097	0.11	0.05	0.96	0.34	2	0.1
99H-259	367901.42	6074827.37	1	6	14.0	29	6	44	34	0.50	12	0.80	0.082	0.14	0.05	0.92	0.29	2	0.1
99H-260	359223.52	6069883.78	1	6	15.0	73	10	1231	22	0.50	6	0.81	0.172	0.08	0.03	0.45	0.27	2	0.1
99H-261	360063.93	6069315.74	1	22	6.0	29	9	416	72	0.50	16	5.62	0.088	0.30	0.06	1.26	0.34	6	0.2
99H-262	355969.59	6070935.17	1	12	8.0	27	8	183	53	0.60	13	4.72	0.101	0.36	0.03	0.73	0.22	4	0.2
99H-263	357994.39	6070646.49	1	15	11.0	44	21	297	75	0.50	38	3.00	0.097	0.66	0.13	3.13	0.78	9	0.1
99H-264	360989.77	6069149.40	1	17	25.0	37	13	364	45	0.25	16	1.96	0.094	0.26	0.06	1.15	0.36	3	0.1

Sample Site	UTM		Mo	Cu	Pb	Zn	Ni	Mn	Sr	Cd	V	Ca	P	Mg	Ti	Al	K	Y	S
	Easting	Northing	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%	%	%	%	ppm	%
99H-265	361329.67	6072980.83	1	8	22.0	29	8	131	23	0.25	10	0.87	0.079	0.13	0.04	0.67	0.25	2	0.2
99H-266	363559.03	6071022.97	1	8	25.0	26	11	460	49	0.50	19	2.31	0.072	0.28	0.07	1.41	0.42	7	0.1
99H-267	377020.28	6069882.33	1	7	19.0	39	8	291	23	1.20	11	0.41	0.162	0.10	0.04	0.69	0.28	2	0.1
99H-268	379044.14	6070599.95	1	7	21.0	25	10	407	29	0.25	9	1.04	0.134	0.12	0.04	0.72	0.28	2	0.2
99H-269	376364.81	6071760.41	1	6	12.0	17	6	81	17	0.90	7	0.48	0.120	0.09	0.03	0.46	0.23	2	0.1
99H-270	377781.24	6066042.44	1	10	8.0	28	11	100	79	0.25	22	3.09	0.101	0.41	0.08	1.64	0.38	6	0.2
99H-271	383858.83	6067703.50	1	7	20.0	23	6	110	28	0.25	9	1.33	0.083	0.16	0.04	0.74	0.26	2	0.2
99H-272	384102.61	6068885.27	1	6	18.0	21	6	138	18	0.25	6	1.21	0.080	0.13	0.02	0.39	0.16	2	0.2
99H-273	380547.15	6070612.20	1	6	16.0	15	7	99	15	0.25	8	0.74	0.082	0.10	0.02	0.47	0.17	2	0.2
99H-274	382955.22	6071800.72	1	8	24.0	26	10	1000	39	0.25	10	2.58	0.114	0.30	0.03	0.70	0.24	4	0.2
99H-275	381967.41	6070087.68	1	13	19.0	21	10	573	34	0.25	8	2.95	0.137	0.25	0.02	0.53	0.20	4	0.2
99H-276-1 Field Duplicate	385148.66	6077248.38	1	7	18.0	23	12	463	25	0.25	9	0.92	0.097	0.13	0.04	0.67	0.27	2	0.2
99H-276-2 Field Duplicate	385148.66	6077248.38	1	8	18.0	24	11	554	28	0.25	9	0.85	0.112	0.12	0.04	0.77	0.29	2	0.2
99H-277	386690.16	6081682.14	1	12	16.0	30	10	160	49	0.25	13	3.66	0.124	0.23	0.04	0.75	0.25	2	0.2
99H-278	388023.91	6080577.61	1	13	2.5	26	7	233	130	0.25	15	5.80	0.100	0.41	0.04	0.90	0.24	4	0.2
99H-279	376310.70	6077007.87	1	8	24.0	40	10	317	28	0.25	11	1.00	0.093	0.13	0.04	0.75	0.27	6	0.1
99H-280	384159.38	6073682.24	1	5	11.0	31	3	1181	49	0.50	6	3.94	0.106	0.23	0.02	0.44	0.15	2	0.2
99H-281	379124.40	6067728.11	1	17	21.0	28	19	916	72	0.25	21	2.09	0.079	0.34	0.09	2.01	0.59	9	0.1
99H-282	382727.20	6079909.30	1	11	17.0	34	14	626	46	0.25	23	1.52	0.091	0.31	0.08	1.84	0.45	15	0.1
99H-283	382282.71	6077714.41	1	11	15.0	41	6	86	74	0.50	17	1.95	0.059	0.27	0.09	1.57	0.53	3	0.1
99H-284	383840.14	6075866.88	1	6	2.5	27	2	94	48	0.25	6	4.14	0.056	0.15	0.02	0.38	0.07	2	0.2
99H-285	382958.94	6074543.38	1	9	23.0	34	12	161	89	0.25	23	2.21	0.075	0.44	0.08	1.70	0.51	4	0.1
99H-286	385475.05	6074190.49	1	9	2.5	20	4	128	58	0.25	7	5.32	0.072	0.27	0.03	0.73	0.21	2	0.2
99H-287	385938.09	6072538.35	1	6	16.0	21	5	48	21	0.25	6	0.71	0.076	0.12	0.03	0.57	0.22	2	0.1
99H-288	384706.93	6071638.97	1	14	9.0	33	13	530	94	0.25	31	4.08	0.107	0.49	0.12	2.82	0.74	11	0.1
99H-289	384447.42	6070035.32	1	24	24.0	37	15	434	65	0.70	30	2.29	0.079	0.42	0.11	2.53	0.63	12	0.1
99H-290	385875.21	6070091.77	1	15	12.0	33	11	229	63	0.25	22	3.78	0.086	0.47	0.08	1.66	0.44	4	0.2
99H-291	386749.94	6071142.51	1	4	2.5	13	4	39	25	0.25	7	1.61	0.054	0.16	0.02	0.71	0.10	4	0.1
99H-292-1 Field Duplicate	372658.22	6079359.51	1	4	16.0	19	6	36	17	0.25	7	0.29	0.084	0.06	0.03	0.51	0.22	2	0.1
99H-292-2 Field Duplicate	372658.22	6079359.51	1	4	18.0	17	4	28	18	0.25	7	0.37	0.074	0.06	0.03	0.51	0.18	2	0.1
99H-293-1 Analytical Duplicate	373332.21	6078856.12	1	12	21.0	25	8	248	30	0.25	11	1.73	0.110	0.16	0.04	0.77	0.27	6	0.1
99H-293-2 Analytical Duplicate	373332.21	6078856.12	1	12	21.0	30	8	256	33	0.50	13	1.76	0.111	0.16	0.04	0.77	0.27	4	0.1
99H-294	374312.89	6078921.40	1	5	13.0	15	5	108	20	0.25	7	0.66	0.076	0.07	0.02	0.44	0.19	2	0.1
99H-295	375182.62	6078624.03	1	7	19.0	34	7	275	34	0.80	9	1.61	0.158	0.15	0.03	0.63	0.27	3	0.1
99H-296	376386.81	6078570.83	1	7	15.0	27	8	110	36	0.25	11	1.68	0.109	0.14	0.03	0.62	0.25	10	0.2
99H-297	377606.00	6078057.09	1	6	14.0	24	10	165	72	0.25	15	3.15	0.075	0.67	0.06	1.56	0.61	4	0.1
99H-298	377794.68	6079094.31	1	29	10.0	42	14	569	59	0.25	20	3.13	0.093	0.32	0.06	1.76	0.42	9	0.1
99H-299	377733.77	6080049.38	1	7	19.0	50	6	228	40	0.25	11	1.04	0.105	0.11	0.04	0.80	0.31	2	0.2
99H-300	383601.49	6081754.27	1	12	16.0	30	11	233	42	0.25	17	1.58	0.084	0.23	0.05	1.18	0.34	9	0.1
99H-301	382264.75	6081807.41	1	3	18.0	9	5	48	16	0.25	5	0.28	0.070	0.05	0.03	0.45	0.17	2	0.1
99H-302	381825.16	6080640.92	1	11	2.5	24	7	107	85	0.25	15	5.59	0.082	0.29	0.06	1.45	0.38	6	0.1
99H-303	381419.93	6079292.48	1	5	13.0	36	11	72	21	0.25	7	0.75	0.102	0.15	0.02	0.42	0.21	2	0.1
99H-304	379828.87	6079816.74	1	17	13.0	20	22	271	64	0.25	12	1.85	0.145	0.20	0.04	0.91	0.28	4	0.2
99H-305-1 Field Duplicate	373257.01	6080611.99	1	10	12.0	63	5	819	48	0.25	16	2.00	0.155	0.22	0.06	1.20	0.37	3	0.2
99H-305-2 Field Duplicate	373257.01	6080611.99	1	24	15.0	43	10	171	114	0.90	18	2.05	0.065	0.34	0.11	2.54	0.81	6	0.1
99H-306	374075.08	6080290.59	1	9	22.0	153	10	449	46	0.70	11	1.32	0.176	0.13	0.04	0.78	0.33	2	0.2
99H-307	376118.15	6080021.19	1	8	27.0	85	10	898	44	0.80	10	1.20	0.177	0.14	0.05	0.96	0.37	2	0.2
99H-308	378593.33	6079122.68	1	4	14.0	18	3	48	17	0.25	5	0.16	0.112	0.07	0.02	0.39	0.17	2	0.1
99H-310	378075.60	6081454.42	1	6	13.0	20	3	102	37	0.25	5	2.06	0.126	0.15	0.02	0.39	0.18	2	0.2

Sample Site	UTM		Mo	Cu	Pb	Zn	Ni	Mn	Sr	Cd	V	Ca	P	Mg	Ti	Al	K	Y	S
	Easting	Northing	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%	%	%	%	ppm	%
99H-311	375825.45	6081477.33	1	12	19.0	32	9	284	48	0.60	16	2.03	0.122	0.26	0.06	1.33	0.47	3	0.2
99H-312	374729.14	6081514.74	1	32	10.0	29	15	628	62	0.70	11	3.78	0.165	0.28	0.03	0.68	0.21	8	0.3
99H-313	373003.62	6081431.03	1	11	27.0	43	14	856	53	0.60	16	1.50	0.177	0.19	0.05	1.23	0.41	4	0.2
99H-314-1 Field Duplicate	380441.27	6077362.52	1	5	14.0	31	6	205	25	0.25	7	0.44	0.129	0.08	0.02	0.51	0.24	2	0.1
99H-314-2 Field Duplicate	380441.27	6077362.52	1	5	11.0	45	7	309	21	0.25	5	0.51	0.137	0.07	0.02	0.38	0.23	2	0.1
99H-315	379424.91	6076667.36	1	20	7.0	32	15	178	73	0.25	25	4.93	0.084	0.44	0.08	1.73	0.40	10	0.2
99H-316	378083.67	6075976.30	1	4	8.0	18	2	28	42	0.25	4	2.75	0.059	0.27	0.01	0.24	0.08	2	0.2
99H-317	378975.05	6075002.82	1	3	2.5	18	2	88	25	0.25	2	1.42	0.032	0.10	0.01	0.39	0.06	2	0.1
99H-318	374081.75	6076384.00	1	8	21.0	37	9	91	32	0.70	9	1.30	0.125	0.13	0.03	0.70	0.26	7	0.2
99H-319	377992.28	6071532.08	3	7	16.0	19	5	91	35	0.70	8	0.91	0.093	0.10	0.04	0.79	0.25	2	0.2
99H-320	378032.77	6073502.62	1	9	8.0	23	6	51	73	0.25	18	3.34	0.078	0.32	0.10	1.82	0.48	6	0.2
99H-321	376343.39	6073660.05	1	3	2.5	20	3	328	47	0.25	3	2.83	0.103	0.24	0.02	0.38	0.10	2	0.3
99H-322	376788.52	6076148.06	1	7	28.0	36	7	330	42	0.60	9	2.08	0.081	0.18	0.03	0.60	0.26	3	0.1
99H-323	374135.50	6077562.68	1	8	7.0	29	6	458	87	0.25	7	4.17	0.096	0.27	0.03	0.63	0.13	2	0.2
99H-324 Analytical Duplicate	371909.21	6077077.66	1	4	12.0	12	3	68	21	0.25	5	0.53	0.099	0.07	0.02	0.36	0.15	2	0.1
99H-324 Analytical Duplicate	371909.21	6077077.66	1	4	11.0	14	3	67	21	0.25	5	0.52	0.099	0.07	0.02	0.35	0.15	2	0.1
99H-326	367010.80	6076322.95	1	22	12.0	67	28	223	124	0.25	52	2.96	0.067	0.84	0.15	3.84	0.86	18	0.1
99H-327	365544.89	6075097.76	1	16	12.0	34	13	356	75	0.50	25	4.01	0.082	0.44	0.08	1.72	0.46	6	0.2
99H-328	366630.37	6073449.41	1	19	19.0	36	16	398	57	0.50	23	3.34	0.096	0.40	0.06	1.50	0.44	15	0.2
99H-329-1 Field Duplicate	373524.62	6072776.30	1	10	22.0	44	12	296	58	0.60	21	2.45	0.076	0.40	0.07	1.53	0.49	4	0.1
99H-329-2 Field Duplicate	373524.62	6072776.30	1	6	23.0	25	4	35	29	1.20	9	0.56	0.065	0.07	0.03	0.64	0.21	2	0.1
99H-330	373090.65	6073609.38	1	7	14.0	29	3	522	59	0.25	4	4.03	0.112	0.30	0.01	0.27	0.11	2	0.3
99H-331	372325.83	6073335.34	1	10	29.0	50	7	185	33	1.10	13	1.48	0.083	0.17	0.04	0.79	0.25	3	0.1
99H-332	371343.79	6071847.26	1	7	22.0	34	7	168	37	0.90	11	2.42	0.077	0.22	0.03	0.63	0.21	2	0.2
99H-333	356400.44	6074585.89	1	7	28.0	38	9	226	28	0.70	7	1.37	0.092	0.13	0.03	0.57	0.27	2	0.2
99H-334	353630.41	6074080.73	1	7	23.0	25	5	194	35	0.60	8	2.56	0.075	0.21	0.03	0.67	0.25	2	0.2
99H-335	354026.13	6072263.97	1	15	22.0	51	15	478	74	0.90	35	3.16	0.081	0.51	0.12	2.47	0.64	8	0.1
99H-336	356175.52	6073162.11	1	16	15.0	35	21	272	69	0.25	29	3.13	0.093	0.44	0.09	2.03	0.55	14	0.2
99H-337	358516.43	6071531.39	1	8	24.0	36	6	132	38	0.60	11	1.39	0.073	0.17	0.04	0.74	0.26	3	0.1
99H-338	358097.38	6073183.12	1	4	20.0	29	4	795	58	0.60	7	3.36	0.085	0.28	0.04	0.63	0.23	2	0.2
99H-339	358101.16	6077722.60	1	9	25.0	34	10	378	41	0.50	15	1.77	0.104	0.23	0.06	0.98	0.37	4	0.1
99H-340 Analytical Duplicate	360792.23	6079576.49	1	11	19.0	28	16	135	46	0.25	18	1.40	0.111	0.22	0.06	1.31	0.37	21	0.2
99H-340 Analytical Duplicate	360792.23	6079576.49	1	11	19.0	27	18	136	48	0.25	18	1.42	0.116	0.23	0.06	1.33	0.38	21	0.2
99H-341	363366.15	6079087.77	1	4	14.0	27	5	20	19	0.25	5	0.42	0.055	0.06	0.02	0.33	0.17	2	0.1
99H-342	361709.41	6079470.25	1	5	15.0	36	6	45	12	0.60	5	0.32	0.076	0.05	0.02	0.31	0.17	2	0.1
99H-343	365228.31	6078367.51	1	12	28.0	36	10	327	51	0.25	18	2.98	0.090	0.31	0.06	1.20	0.39	4	0.2
99H-344	364266.45	6076224.84	1	5	14.0	29	6	231	14	0.25	3	0.53	0.098	0.06	0.01	0.25	0.15	2	0.2
99H-345	362453.17	6075416.23	1	6	23.0	32	10	57	26	0.25	11	0.57	0.097	0.10	0.04	0.76	0.28	4	0.1
99H-346	363508.62	6077282.57	1	6	15.0	19	6	24	22	0.60	7	0.42	0.072	0.09	0.03	0.51	0.18	2	0.2
99H-347	390123.06	6073013.81	1	5	20.0	36	4	137	81	0.25	9	2.55	0.070	0.22	0.03	0.53	0.19	2	0.1
99H-348	386609.32	6076034.47	1	7	19.0	23	9	464	36	0.25	9	2.41	0.100	0.27	0.03	0.67	0.25	2	0.2
99H-349	394290.85	6073197.89	1	8	21.0	39	12	232	39	0.70	16	1.61	0.151	0.26	0.06	1.14	0.42	10	0.2
99H-350	381237.22	6069551.39	1	6	19.0	25	7	123	25	0.25	9	1.37	0.076	0.14	0.03	0.64	0.22	2	0.1
99H-351	377332.39	6064774.37	1	7	20.0	23	11	60	40	0.50	13	1.86	0.132	0.19	0.04	0.80	0.25	8	0.2

Sample Site	Hg	H°	K
	ppb	ppb	mhos cm^{-1}
99H-1	65	-2.0	13.7
99H-2	84	-2.0	16.8
99H-3	94	-2.1	23.5
99H-4	105	-1.9	15.6
99H-5	119	6.2	15.9
99H-6-1 Analytical Duplicate	80	-2.0	15.6
99H-6-2 Analytical Duplicate			
99H-7	139	4.2	31.0
99H-8	102	-1.1	17.9
99H-9	61	0.0	6.6
99H-10	94	7.0	12.9
99H-11	128	5.7	21.4
99H-12	146	14.9	30.0
99H-13	121	-1.8	33.7
99H-14	67	-2.0	20.3
99H-15	81	21.4	3.1
99H-16	143	21.9	14.3
99H-17	112	11.1	15.1
99H-18	181	35.9	18.6
99H-19	127	21.4	10.9
99H-20	65	-1.9	16.5
99H-21-1 Field Duplicate	86	-0.5	19.4
99H-21-2 Field Duplicate	135	30.3	7.0
99H-22	374	7.7	19.7
99H-23	250	16.5	6.9
99H-24	226	4.8	20.4
99H-25	144	37.7	6.6
99H-26	129	7.5	14.9
99H-27	76	-2.0	17.4
99H-28	126	52.9	-5.3
99H-29	170	77.3	-5.5
99H-30	203	27.4	12.0
99H-31	188	6.2	17.2
99H-32	217	28.1	3.0
99H-33	70	-1.8	14.6
99H-34	138	5.2	14.3
99H-35	147	35.9	8.4
99H-36	221	9.1	7.1
99H-37	88	2.5	16.4
99H-38	193	32.6	10.4
99H-39	137	13.0	19.4
99H-40	83	-2.0	17.4

Sample Site	Hg	H^+	K
	ppb	ppb	mhos cm^{-1}
99H-41-1 Field Duplicate	145	6.2	11.1
99H-41-2 Field Duplicate	186	3.5	16.5
99H-42	152	-1.0	44.3
99H-43	117	26.1	7.5
99H-44	88	-1.8	14.0
99H-45	280	7.2	13.8
99H-46	81	-1.5	11.7
99H-47	116	-1.9	18.0
99H-48-1 Analytical Duplicate		9.7	16.8
99H-48-2 Analytical Duplicate			
99H-49	149	-1.8	50.7
99H-50	188	5.3	22.4
99H-51	174	-1.9	31.1
99H-52	101	-2.0	23.2
99H-53	178	-1.5	25.0
99H-54	129	0.0	23.0
99H-55	166	36.8	3.8
99H-56	165	36.8	14.7
99H-57	125	-1.2	16.0
99H-58	111	6.2	42.1
99H-59	51	-1.8	7.4
99H-60	51	22.5	1.9
99H-61	59	-0.6	11.8
99H-62	58	-0.9	6.3
99H-63	173	0.6	27.7
99H-64	151	-1.5	43.0
99H-65	233	3.8	23.3
99H-66	69	-1.9	13.7
99H-67	98	-1.9	15.8
99H-68	155	-1.3	25.3
99H-69	127	-1.8	39.1
99H-70-1 Field Duplicate	151	-1.7	41.8
99H-70-2 Field Duplicate	128	-1.9	40.3
99H-71	152	-1.9	38.9
99H-72	158	5.4	27.5
99H-73	126	1.3	22.4
99H-74	123	8.7	26.7
99H-75	153	5.9	26.7
99H-76-1 Analytical Duplicate	238	42.6	2.2
99H-76-2 Analytical Duplicate			
99H-77	284	17.9	31.1
99H-78	198	37.8	2.0
99H-79	179	-1.8	33.8
99H-80	340	11.4	18.8
99H-81	97	4.1	15.4
99H-82-1 Field Duplicate	87	-1.9	11.6
99H-82-2 Field Duplicate	72	-1.9	12.3
99H-83	126	-1.2	27.8
99H-84	83	-1.9	14.4

Sample Site	Hg	H+	K
	ppb	ppb	mhos cm-1
99H-85	91	-2.0	7.8
99H-86	288	-0.7	25.7
99H-87	165	0.0	28.5
99H-88	140	-1.7	55.1
99H-89	180	26.8	14.9
99H-90	256	29.6	5.1
99H-91	195	21.4	24.4
99H-92	84	-1.1	21.8
99H-93	141	-1.9	53.0
99H-94	160	2.0	18.5
99H-95	103	-1.5	26.3
99H-96	204	0.7	48.6
99H-97	123	5.9	18.7
99H-98	174	2.5	45.5
99H-99	321	10.8	21.2
99H-100	120	18.9	6.6
99H-101-1 Field Duplicate	148	24.9	4.7
99H-101-2 Field Duplicate	169	11.1	25.9
99H-102	248	7.7	20.8
99H-103	184	7.3	28.6
99H-104	246	-1.4	24.1
99H-105	76	-2.0	13.9
99H-106	131	-1.9	38.0
99H-107	62	-2.0	14.5
99H-108	146	-1.6	23.4
99H-109	185	-1.7	22.9
99H-110	102	-1.4	45.2
99H-111	194	17.9	23.7
99H-112	154	4.9	35.7
99H-113	122	21.4	29.0
99H-114	96	8.9	11.9
99H-115	73	-1.9	19.3
99H-116-1 Analytical Duplicate	164	-1.1	45.5
99H-116-2 Analytical Duplicate			
99H-117	119	-1.5	93.4
99H-118	178	2.2	23.6
99H-119	62	-1.2	8.3
99H-120	151	2.2	39.8
99H-121	208	30.3	12.4
99H-122	190	31.1	11.9
99H-123	103	10.8	25.5
99H-124-1 Field Duplicate	65	-2.0	18.0
99H-124-2 Field Duplicate	69	-2.0	21.3
99H-125	129	-1.1	21.6
99H-126	148	-2.0	27.4
99H-127	124	5.9	11.5
99H-129	66	-2.0	20.6
99H-130	35	13.4	5.6
99H-131	113	-1.6	23.6

Sample Site	Hg	H^+	K
	ppb	ppb	mhos cm^{-1}
99H-132	51	-1.7	9.5
99H-133	64	-0.3	9.4
99H-134	126	2.0	17.5
99H-135	173	2.6	49.7
99H-136	195	1.1	15.3
99H-137	71	-2.0	15.5
99H-138	62	-1.8	9.5
99H-139	159	-1.6	23.6
99H-140	95	-2.0	20.6
99H-141-1 Field Duplicate	162	-0.8	17.3
99H-141-2 Field Duplicate	127	15.7	17.1
99H-142	157	5.5	24.6
99H-143	111	-0.9	16.9
99H-144-1 Analytical Duplicate	135	-1.8	53.9
99H-144-2 Analytical Duplicate			
99H-145	102	-2.0	23.3
99H-146	56	-0.9	7.5
99H-147	127	3.5	19.8
99H-148	112	7.5	11.0
99H-149	121	3.7	26.8
99H-150	93	-1.7	10.9
99H-151	94	-2.0	20.2
99H-152	81	-2.0	11.0
99H-153	81	-1.9	12.9
99H-154	144	1.3	13.2
99H-155	132	11.1	12.7
99H-156	158	3.5	9.8
99H-157	93	-2.0	23.3
99H-201	420	-1.5	39.2
99H-202	188	7.7	38.4
99H-203	156	-1.7	17.8
99H-204	219	0.1	10.2
99H-205	253	1.8	17.4
99H-206	245	1.3	18.6
99H-207	237	3.3	25.8
99H-208	139	10.8	15.5
99H-209	216	0.3	17.6
99H-210	252	10.3	20.4
99H-211	234	42.6	5.7
99H-212	204	-0.6	15.9
99H-213	258	-1.2	33.2
99H-214	82	-2.0	17.9
99H-215	204	9.7	5.7
99H-216	161	1.1	18.1
99H-217	149	-1.9	24.1
99H-218	167	-1.8	23.2
99H-219-1 Field Duplicate	126	-1.4	32.3
99H-219-2 Field Duplicate	122	-1.6	24.2
99H-220	186	28.2	32.2

Sample Site	Hg	H^+	K
	ppb	ppb	mhos cm^{-1}
99H-221	146	30.4	11.4
99H-222	88	-1.9	19.3
99H-223	138	18.9	16.2
99H-224	185	29.0	12.8
99H-225-1 Field Duplicate	86	-1.8	14.2
99H-225-2 Field Duplicate	72	-1.9	24.0
99H-226	215	12.2	42.4
99H-227	186	7.0	44.4
99H-228-1 Analytical Duplicate		-0.7	47.2
99H-228-2 Analytical Duplicate			
99H-229	146	-1.9	25.9
99H-230-1 Field Duplicate	295	14.3	39.6
99H-230-2 Field Duplicate	303	29.0	9.4
99H-231	108	4.1	6.4
99H-232	132	12.5	5.2
99H-233	177	11.9	17.8
99H-234	161	16.7	10.1
99H-235	201	16.7	13.5
99H-236	185	17.1	14.1
99H-237	216	25.6	25.6
99H-238	164	41.7	25.3
99H-239	129	26.2	18.6
99H-240	182	-1.9	33.0
99H-241-1 Analytical Duplicate	144	19.9	13.1
99H-241-2 Analytical Duplicate			
99H-242	182	28.2	10.2
99H-243	217	15.4	18.6
99H-244	120	-0.6	40.0
99H-245	92	28.2	16.7
99H-246	106	13.2	24.1
99H-247	152	31.9	15.7
99H-248-1 Field Duplicate	211	0.8	41.5
99H-248-2 Field Duplicate	217	1.3	45.7
99H-249	210	56.9	7.3
99H-250	160	-0.9	36.9
99H-251	217	47.0	6.0
99H-252	115	9.0	28.0
99H-253	83	-0.7	38.2
99H-254	205	0.6	16.1
99H-255	156	44.8	6.9
99H-256	102	49.3	16.7
99H-257	244	18.9	31.2
99H-258	148	15.4	19.8
99H-259	126	19.9	11.0
99H-260	189	10.6	63.5
99H-261	78	-1.9	24.6
99H-262	96	-1.9	27.7
99H-263	112	-1.7	18.5
99H-264	127	-1.6	25.8

Sample Site	Hg	H*	K
	ppb	ppb	mhos cm-1
99H-265	140	13.5	30.4
99H-266	195	-1.3	32.2
99H-267	122	32.7	28.2
99H-268	168	5.6	29.9
99H-269	138	33.5	35.9
99H-270	92	-1.7	18.6
99H-271	144	1.2	28.7
99H-272	157	2.8	29.1
99H-273	152	14.6	21.8
99H-274	166	-1.8	48.2
99H-275	162	-2.0	37.9
99H-276-1 Field Duplicate	191	7.0	41.3
99H-276-2 Field Duplicate	211	2.0	33.9
99H-277	149	-2.0	37.8
99H-278	67	-2.1	7.7
99H-279	158	4.0	26.0
99H-280	112	-2.0	35.3
99H-281	152	-1.8	22.7
99H-282	150	-0.6	19.7
99H-283	89	-1.5	11.4
99H-284	79	-1.9	8.2
99H-285	123	-1.8	23.0
99H-286	68	-2.1	18.4
99H-287	121	10.2	24.9
99H-288	71	-2.1	19.5
99H-289	86	-1.7	21.2
99H-290	93	-2.1	26.9
99H-291	120	-1.5	16.0
99H-292-1 Field Duplicate	175	35.9	9.4
99H-292-2 Field Duplicate	192	41.5	8.9
99H-293-1 Analytical Duplicate	134	-0.3	33.8
99H-293-2 Analytical Duplicate			
99H-294	215	9.5	19.3
99H-295	153	-0.1	44.5
99H-296	123	-0.6	31.0
99H-297	100	-1.5	41.7
99H-298	122	-2.0	51.5
99H-299	302	11.2	32.6
99H-300	185	2.4	18.5
99H-301	190	56.9	-2.1
99H-302	64	-2.0	20.5
99H-303	141	18.4	26.9
99H-304	102	-0.3	26.8
99H-305-1 Field Duplicate	232	-0.1	27.1
99H-305-2 Field Duplicate	74	-0.8	29.4
99H-306	170	5.4	57.1
99H-307	297	5.4	51.4
99H-308	133	54.2	6.0
99H-310	134	1.1	39.3

Sample Site	Hg	H^+	K
	ppb	ppb	mhos cm^{-1}
99H-311	114	0.1	35.0
99H-312	121	-1.9	24.5
99H-313	275	0.4	29.0
99H-314-1 Field Duplicate	215	25.5	36.2
99H-314-2 Field Duplicate	215	13.9	37.6
99H-315	96	-2.0	20.0
99H-316	87	-1.6	24.1
99H-317	119	-1.6	24.2
99H-318	125	4.6	31.2
99H-319	128	15.8	16.5
99H-320	83	-1.8	10.5
99H-321	99	-1.7	23.0
99H-322	150	-1.1	46.4
99H-323	89	-1.9	22.7
99H-324 Analytical Duplicate	175	14.6	16.8
99H-324 Analytical Duplicate			
99H-326	66	-1.8	22.3
99H-327	95	-2.0	27.3
99H-328	167	-2.0	25.4
99H-329-1 Field Duplicate	68	-1.8	42.1
99H-329-2 Field Duplicate	101	36.0	6.3
99H-330	46	-1.9	31.7
99H-331	73	1.4	22.1
99H-332	22	-1.6	29.1
99H-333	24	1.2	31.1
99H-334	14	-1.8	21.1
99H-335	45	-1.9	21.5
99H-336	16	-1.9	30.8
99H-337	79	0.8	21.6
99H-338	64	-1.9	56.5
99H-339	83	-1.3	35.7
99H-340 Analytical Duplicate	115	1.7	26.9
99H-340 Analytical Duplicate			
99H-341	129	42.7	9.3
99H-342	137	28.9	13.1
99H-343	77	-1.9	23.8
99H-344	203	14.2	27.2
99H-345	163	17.5	21.0
99H-346	147	33.5	11.5
99H-347	110	-1.8	30.0
99H-348	177	-1.2	62.6
99H-349	131	0.8	53.8
99H-350	147	2.9	24.9
99H-351	92	-0.1	29.8

Appendix H-2

Duplicate Pair ICP-AES, H^+, *K* and Hg Analyses.

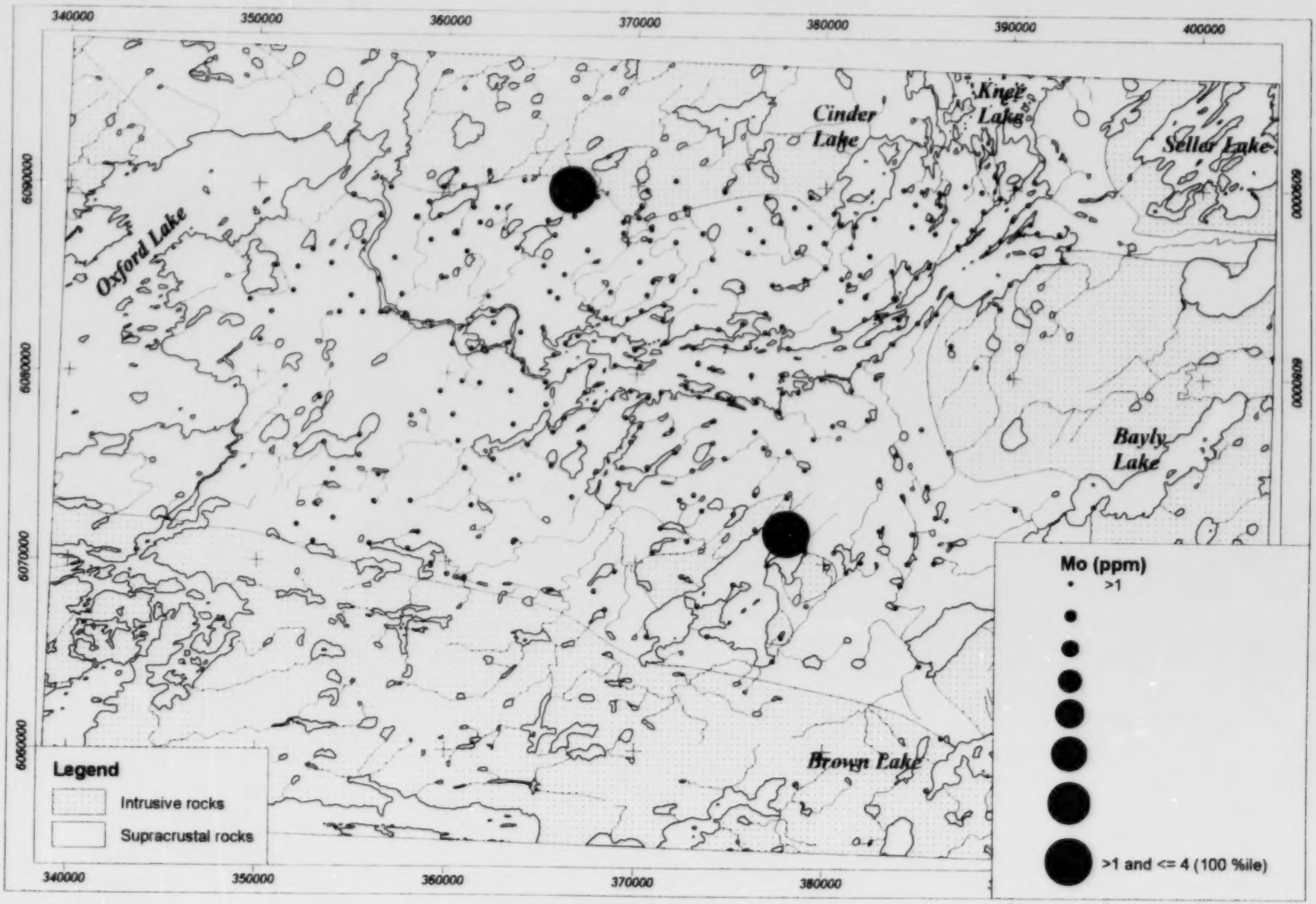
Sample Site	UTM		Mo	Cu	Pb	Zn	Ni	Mn	Sr	Cd	V	Ca	P	Mg	Ti	Al	K	Y	S
	Easting	Northing	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%	%	%	%	ppm	%
99H-6-1 Analytical Duplicate	385118.63	6064597.68	1	18	2.5	12	7	584	72	0.60	12	5.59	0.106	0.36	0.07	0.85	0.19	4	0.1
99H-6-2 Analytical Duplicate	385118.63	6064597.68	1	18	2.5	11	8	590	70	0.60	12	5.65	0.108	0.35	0.04	0.86	0.18	6	0.2
99H-21-1 Field Duplicate	384823.47	6085301.09	1	6	2.5	32	4	491	59	0.25	7	3.86	0.108	0.20	0.03	0.59	0.17	2	0.2
99H-21-2 Field Duplicate	384823.47	6085301.09	1	9	20.0	21	7	104	30	0.80	12	0.52	0.085	0.09	0.05	0.89	0.26	3	0.1
99H-41-1 Field Duplicate	391167.56	6086589.75	1	13	15.0	45	16	169	58	0.25	30	1.12	0.101	0.39	0.10	2.17	0.67	6	0.1
99H-41-2 Field Duplicate	391167.56	6086589.75	1	8	11.0	30	11	283	37	0.25	20	1.50	0.116	0.27	0.06	1.24	0.34	4	0.1
99H-48-1 Analytical Duplicate	383904.64	6082648.05	1	6	16.0	37	11	106	38	0.25	16	1.10	0.113	0.18	0.05	1.14	0.31	8	0.1
99H-48-2 Analytical Duplicate	383904.64	6082648.05	1	9	16.0	36	10	103	36	0.25	14	1.09	0.106	0.17	0.05	1.12	0.31	8	0.1
99H-70-1 Field Duplicate	377176.25	6084802.55	1	18	16.0	16	13	362	42	0.60	13	2.41	0.124	0.25	0.04	0.83	0.32	4	0.2
99H-70-2 Field Duplicate	377176.25	6084802.55	1	23	15.5	15	18	387	50	0.43	16	2.42	0.118	0.29	0.05	1.14	0.39	6	0.2
99H-76-1 Analytical Duplicate	366875.73	6082011.38	1	3	9.0	11	4	87	26	0.50	7	0.63	0.053	0.06	0.02	0.41	0.13	2	0.1
99H-76-2 Analytical Duplicate	366875.73	6082011.38	1	3	10.0	12	4	93	23	0.50	7	0.68	0.055	0.06	0.02	0.43	0.13	2	0.1
99H-82-1 Field Duplicate	372516.50	6088851.06	1	7	2.5	5	4	80	67	0.25	9	5.35	0.085	0.31	0.03	0.66	0.15	2	0.2
99H-82-2 Field Duplicate	372516.50	6088851.06	1	6	2.5	6	4	72	66	0.25	9	4.73	0.077	0.31	0.04	0.78	0.20	3	0.2
99H-101-1 Field Duplicate	364004.46	6090265.61	1	11	37.0	18	16	94	59	0.70	19	0.53	0.092	0.16	0.09	1.72	0.53	6	0.1
99H-101-2 Field Duplicate	364004.46	6090265.61	1	6	21.0	50	9	514	26	0.50	9	0.68	0.097	0.09	0.04	0.67	0.29	2	0.1
99H-116-1 Analytical Duplicate	376836.61	6082259.30	1	7	13.0	15	8	270	33	0.25	6	1.90	0.112	0.21	0.02	0.48	0.28	2	0.2
99H-116-2 Analytical Duplicate	376836.61	6082259.30	1	7	13.0	16	8	272	31	0.25	6	1.92	0.111	0.21	0.02	0.49	0.28	2	0.2
99H-124-1 Field Duplicate	362147.22	6090729.66	1	9	2.5	9	5	81	140	0.25	6	5.29	0.070	0.40	0.03	0.57	0.14	2	0.2
99H-124-2 Field Duplicate	362147.22	6090729.66	1	5	2.5	3	2	67	130	0.25	2	4.93	0.063	0.39	0.01	0.28	0.06	2	0.2
99H-141-1 Field Duplicate	362142.99	6084076.48	1	14	36.0	83	19	720	65	1.60	31	1.76	0.119	0.31	0.12	2.31	0.73	6	0.1
99H-141-2 Field Duplicate	362142.99	6084076.48	1	5	20.0	21	8	104	31	0.50	13	0.64	0.102	0.12	0.05	0.99	0.36	2	0.1
99H-144-1 Analytical Duplicate	365789.89	6083994.83	1	14	21.0	29	10	132	71	0.25	14	3.38	0.084	0.32	0.04	0.88	0.31	9	0.2
99H-144-2 Analytical Duplicate	365789.89	6083994.83	1	14	22.0	29	10	134	71	0.25	14	3.37	0.086	0.33	0.04	0.88	0.31	9	0.2
99H-219-1 Field Duplicate	367825.77	6068425.98	1	12	18.0	38	17	376	51	0.50	27	1.97	0.111	0.44	0.08	2.12	0.58	19	0.1
99H-219-2 Field Duplicate	367825.77	6068425.98	1	13	20.0	42	20	405	57	0.25	35	1.89	0.111	0.52	0.11	2.63	0.71	20	0.1
99H-225-1 Field Duplicate	350702.40	6083206.61	1	36	2.5	32	18	332	83	0.25	20	5.26	0.095	0.40	0.07	1.48	0.35	7	0.1
99H-225-2 Field Duplicate	350702.40	6083206.61	1	2	2.5	52	2	30	45	0.25	2	5.30	0.059	0.24	0.01	0.15	0.04	2	0.2

Sample Site	UTM		Mo	Cu	Pb	Zn	Ni	Mn	Sr	Cd	V	Ca	P	Mg	Ti	Al	K	Y	S
	Easting	Northing	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%	%	%	%	ppm	%
99H-228-1 Analytical Duplicate	353986.25	6074843.74	1	14	19.0	37	19	392	53	0.25	21	1.87	0.113	0.32	0.07	1.55	0.47	23	0.2
99H-228-2 Analytical Duplicate	353986.25	6074843.74	1	14	19.0	36	18	385	52	0.25	21	1.83	0.108	0.31	0.07	1.52	0.46	23	0.2
99H-230-1 Field Duplicate	355405.44	6076684.24	1	9	18.0	71	5	891	22	0.25	4	0.86	0.136	0.10	0.02	0.42	0.20	2	0.2
99H-230-2 Field Duplicate	355405.44	6076684.24	1	8	18.0	47	5	89	37	0.70	13	0.77	0.104	0.12	0.06	1.02	0.31	2	0.2
99H-241-1 Analytical Duplicate	372758.61	6071129.61	1	8	23.0	44	10	88	42	0.25	13	0.73	0.079	0.15	0.06	1.19	0.40	3	0.1
99H-241-2 Analytical Duplicate	372758.61	6071129.61	1	8	24.0	44	10	80	42	0.25	15	0.67	0.081	0.15	0.06	1.23	0.42	3	0.1
99H-248-1 Field Duplicate	363998.87	6080166.06	1	8	23.0	34	9	267	40	0.25	14	1.78	0.098	0.23	0.05	0.97	0.36	2	0.2
99H-248-2 Field Duplicate	363998.87	6080166.06	1	9	22.0	47	8	243	35	0.25	10	1.85	0.101	0.21	0.04	0.69	0.28	2	0.2
99H-276-1 Field Duplicate	385148.66	6077248.38	1	7	18.0	23	12	463	25	0.25	9	0.92	0.097	0.13	0.04	0.67	0.27	2	0.2
99H-276-2 Field Duplicate	385148.66	6077248.38	1	8	18.0	24	11	554	28	0.25	9	0.85	0.112	0.12	0.04	0.77	0.29	2	0.2
99H-292-1 Field Duplicate	372658.22	6079359.51	1	4	16.0	19	6	36	17	0.25	7	0.29	0.084	0.06	0.03	0.51	0.22	2	0.1
99H-292-2 Field Duplicate	372658.22	6079359.51	1	4	18.0	17	4	28	18	0.25	7	0.37	0.074	0.06	0.03	0.51	0.18	2	0.1
99H-293-1 Analytical Duplicate	373332.21	6078856.12	1	12	21.0	25	8	248	30	0.25	11	1.73	0.110	0.16	0.04	0.77	0.27	6	0.1
99H-293-2 Analytical Duplicate	373332.21	6078856.12	1	12	21.0	30	8	256	33	0.50	13	1.76	0.111	0.16	0.04	0.77	0.27	4	0.1
99H-305-1 Field Duplicate	373257.01	6080611.99	1	10	12.0	63	5	819	48	0.25	16	2.00	0.155	0.22	0.06	1.20	0.37	3	0.2
99H-305-2 Field Duplicate	373257.01	6080611.99	1	24	15.0	43	10	171	114	0.90	18	2.05	0.065	0.34	0.11	2.54	0.81	6	0.1
99H-314-1 Field Duplicate	380441.27	6077362.52	1	5	14.0	31	6	205	25	0.25	7	0.44	0.129	0.08	0.02	0.51	0.24	2	0.1
99H-314-2 Field Duplicate	380441.27	6077362.52	1	5	11.0	45	7	309	21	0.25	5	0.51	0.137	0.07	0.02	0.38	0.23	2	0.1
99H-324-1 Analytical Duplicate	371909.21	6077077.66	1	4	12.0	12	3	68	21	0.25	5	0.53	0.099	0.07	0.02	0.36	0.15	2	0.1
99H-324-2 Analytical Duplicate	371909.21	6077077.66	1	4	11.0	14	3	67	21	0.25	5	0.52	0.099	0.07	0.02	0.35	0.15	2	0.1
99H-329-1 Field Duplicate	373524.62	6072776.30	1	10	22.0	44	12	296	58	0.60	21	2.45	0.076	0.40	0.07	1.53	0.49	4	0.1
99H-329-2 Field Duplicate	373524.62	6072776.30	1	6	23.0	25	4	35	29	1.20	9	0.56	0.065	0.07	0.03	0.64	0.21	2	0.1
99H-340-1 Analytical Duplicate	360792.23	6079576.49	1	11	19.0	28	16	135	46	0.25	18	1.40	0.111	0.22	0.06	1.31	0.37	21	0.2
99H-340-2 Analytical Duplicate	360792.23	6079576.49	1	11	19.0	27	18	136	48	0.25	18	1.42	0.116	0.23	0.06	1.33	0.38	21	0.2

Sample Site	Hg	H^+	K
	ppb	ppb	mhos cm^{-1}
99H-6-1 Analytical Duplicate	80	-2.0	15.6
99H-6-2 Analytical Duplicate			
99H-21-1 Field Duplicate	86	-0.5	19.4
99H-21-2 Field Duplicate	135	30.3	7.0
99H-41-1 Field Duplicate	145	6.2	11.1
99H-41-2 Field Duplicate	186	3.5	16.5
99H-48-1 Analytical Duplicate		9.7	16.8
99H-48-2 Analytical Duplicate			
99H-70-1 Field Duplicate	151	-1.7	41.8
99H-70-2 Field Duplicate	128	-1.9	40.3
99H-76-1 Analytical Duplicate	238	42.6	2.2
99H-76-2 Analytical Duplicate			
99H-82-1 Field Duplicate	87	-1.9	11.6
99H-82-2 Field Duplicate	72	-1.9	12.3
99H-101-1 Field Duplicate	148	24.9	4.7
99H-101-2 Field Duplicate	169	11.1	25.9
99H-116-1 Analytical Duplicate	164	-1.1	45.5
99H-116-2 Analytical Duplicate			
99H-124-1 Field Duplicate	65	-2.0	18.0
99H-124-2 Field Duplicate	69	-2.0	21.3
99H-141-1 Field Duplicate	162	-0.8	17.3
99H-141-2 Field Duplicate	127	15.7	17.1
99H-144-1 Analytical Duplicate	135	-1.8	53.9
99H-144-2 Analytical Duplicate			
99H-219-1 Field Duplicate	126	-1.4	32.3
99H-219-2 Field Duplicate	122	-1.6	24.2
99H-225-1 Field Duplicate	86	-1.8	14.2
99H-225-2 Field Duplicate	72	-1.9	24.0

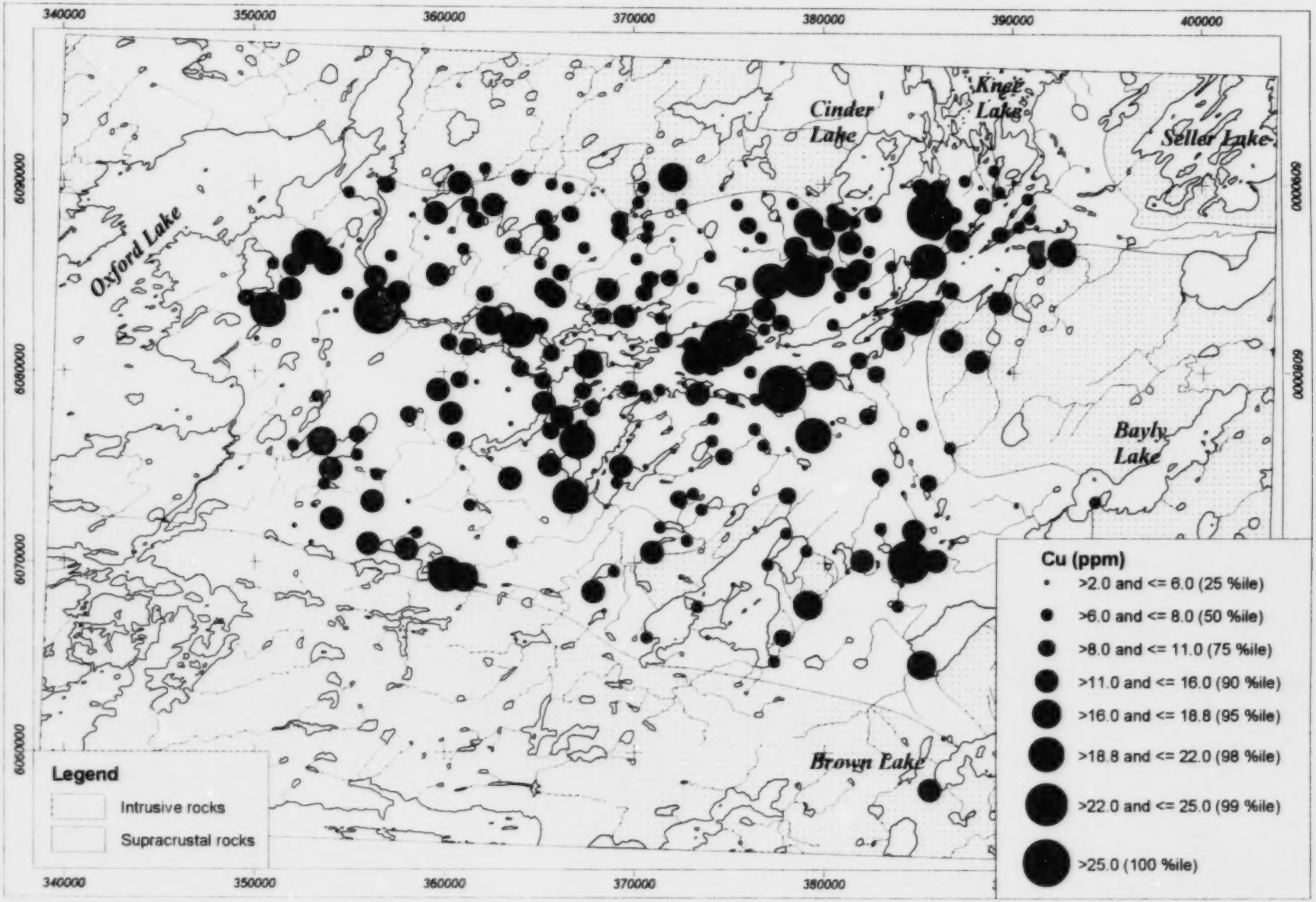
Sample Site	Hg	H*	K
	ppb	ppb	mhos cm^{-1}
99H-228-1 Analytical Duplicate		-0.7	47.2
99H-228-2 Analytical Duplicate			
99H-230-1 Field Duplicate	295	14.3	39.6
99H-230-2 Field Duplicate	303	29.0	9.4
99H-241-1 Analytical Duplicate	144	19.9	13.1
99H-241-2 Analytical Duplicate			
99H-248-1 Field Duplicate	211	0.8	41.5
99H-248-2 Field Duplicate	217	1.3	45.7
99H-276-1 Field Duplicate	191	7.0	41.3
99H-276-2 Field Duplicate	211	2.0	33.9
99H-292-1 Field Duplicate	175	35.9	9.4
99H-292-2 Field Duplicate	192	41.5	8.9
99H-293-1 Analytical Duplicate	134	-0.3	33.8
99H-293-2 Analytical Duplicate			
99H-305-1 Field Duplicate	232	-0.1	27.1
99H-305-2 Field Duplicate	74	-0.8	29.4
99H-314-1 Field Duplicate	215	25.5	36.2
99H-314-2 Field Duplicate	215	13.9	37.6
99H-324-1 Analytical Duplicate	175	14.6	16.8
99H-324-2 Analytical Duplicate			
99H-329-1 Field Duplicate	68	-1.8	42.1
99H-329-2 Field Duplicate	101	36.0	6.3
99H-340-1 Analytical Duplicate	115	1.7	26.9
99H-340-2 Analytical Duplicate			

ICP-AES, H^+, *K* and Hg Percentile Bubble Plots.



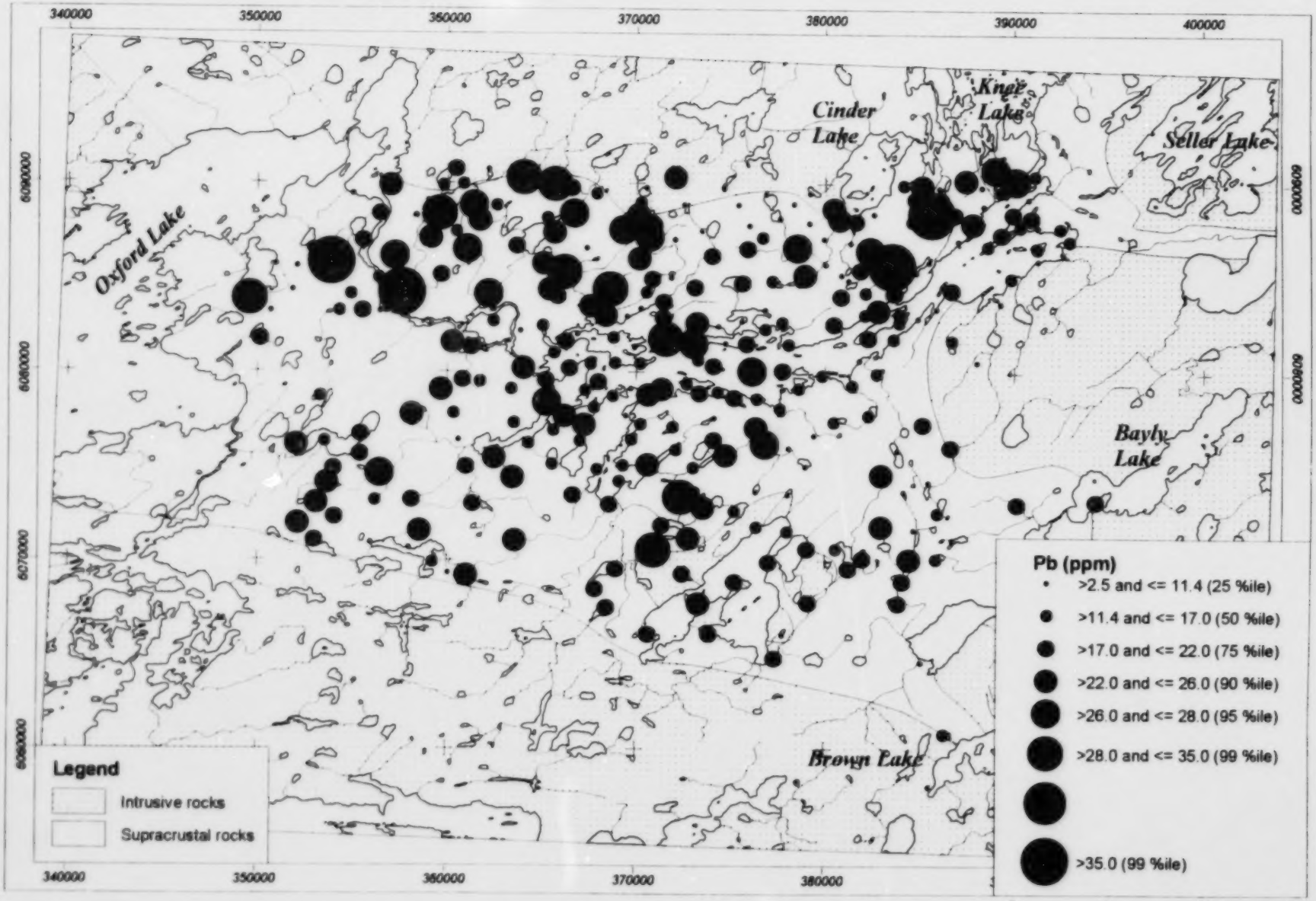
Humus (-80 mesh) - 305 samples
ICP-AES

Appendix H-3-1



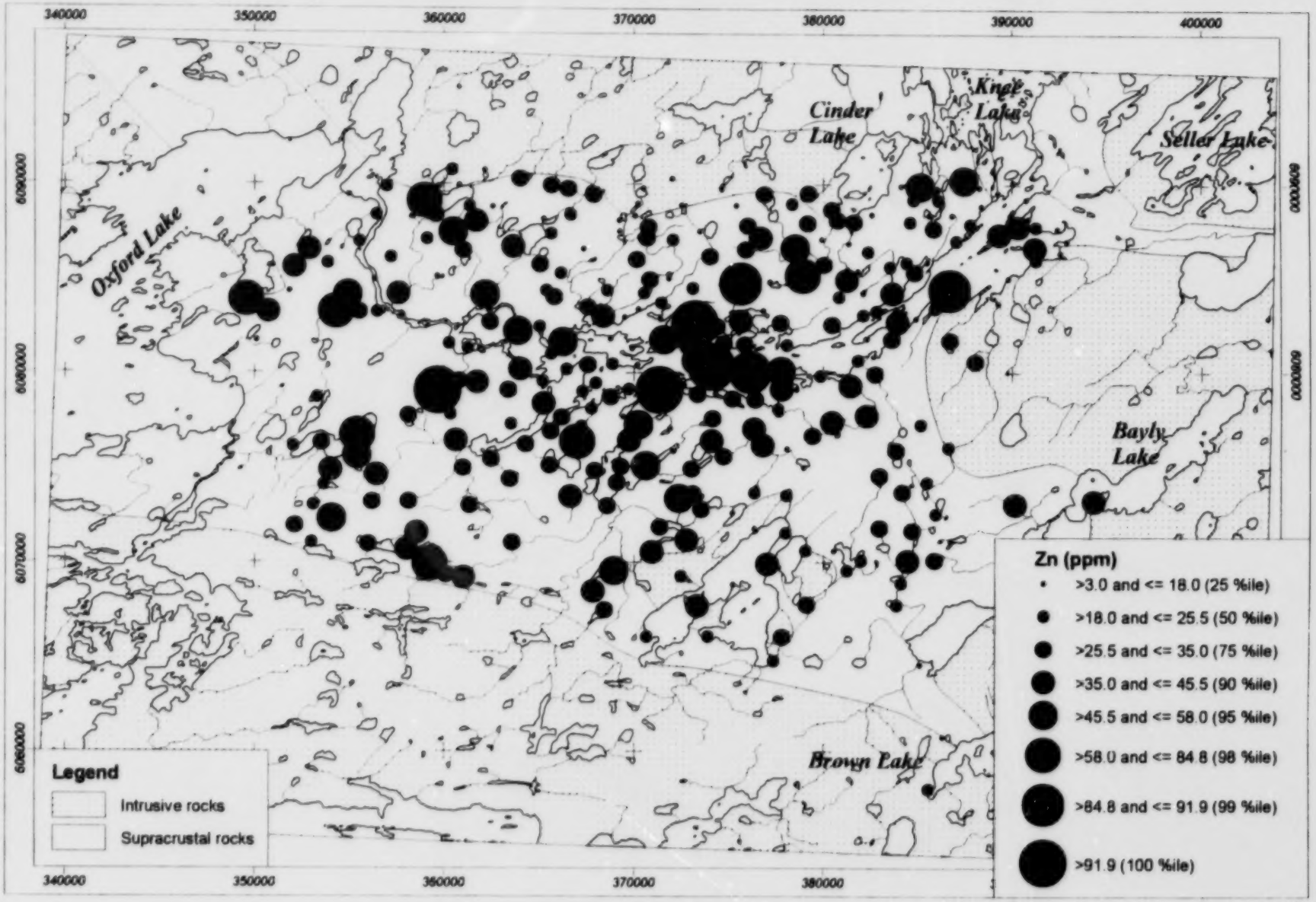
Humus (-80 mesh) - 305 samples
ICP-AES

Appendix H-3-2



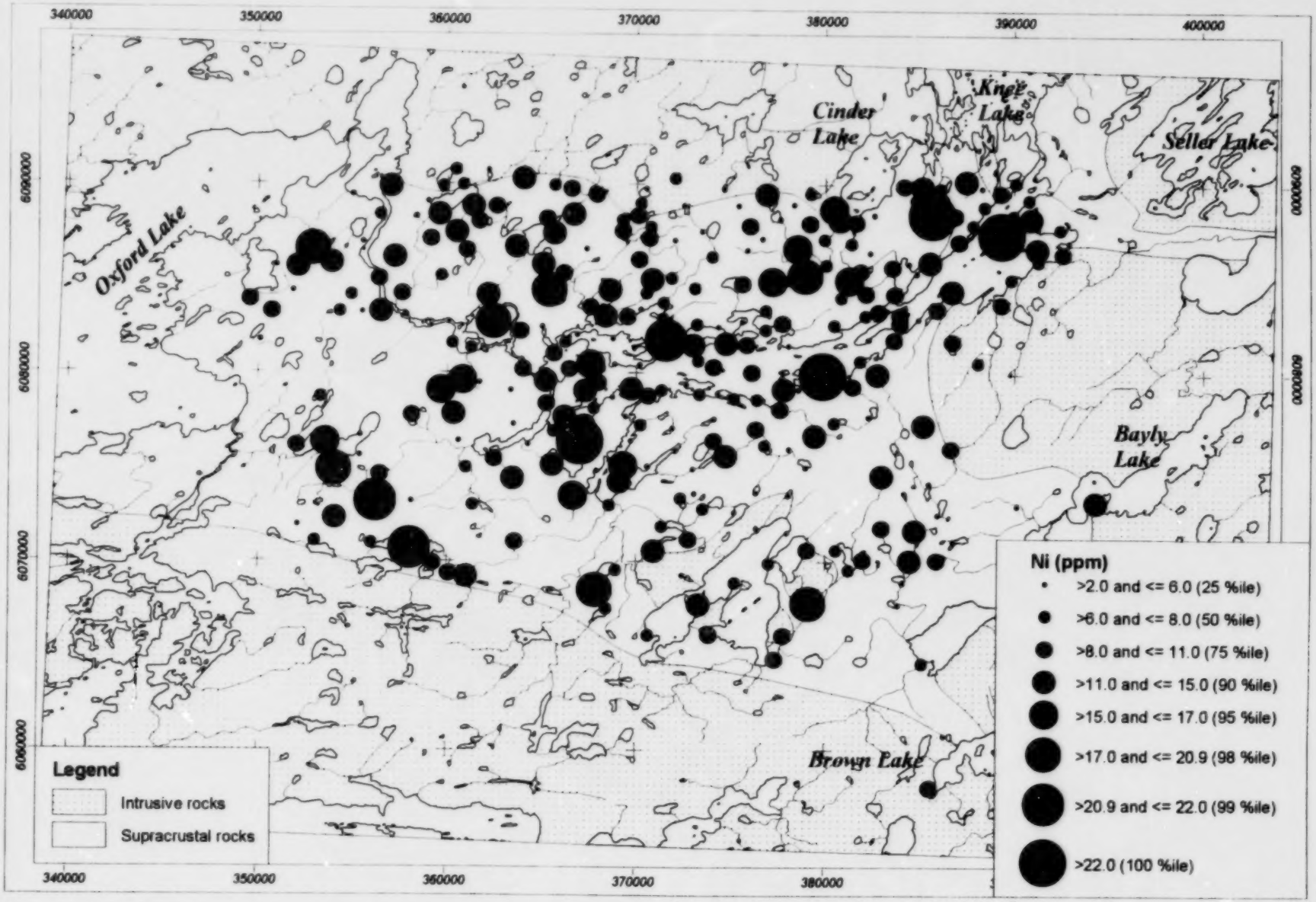
Humus (-80 mesh) - 305 samples
ICP-AES

Appendix H-3-3



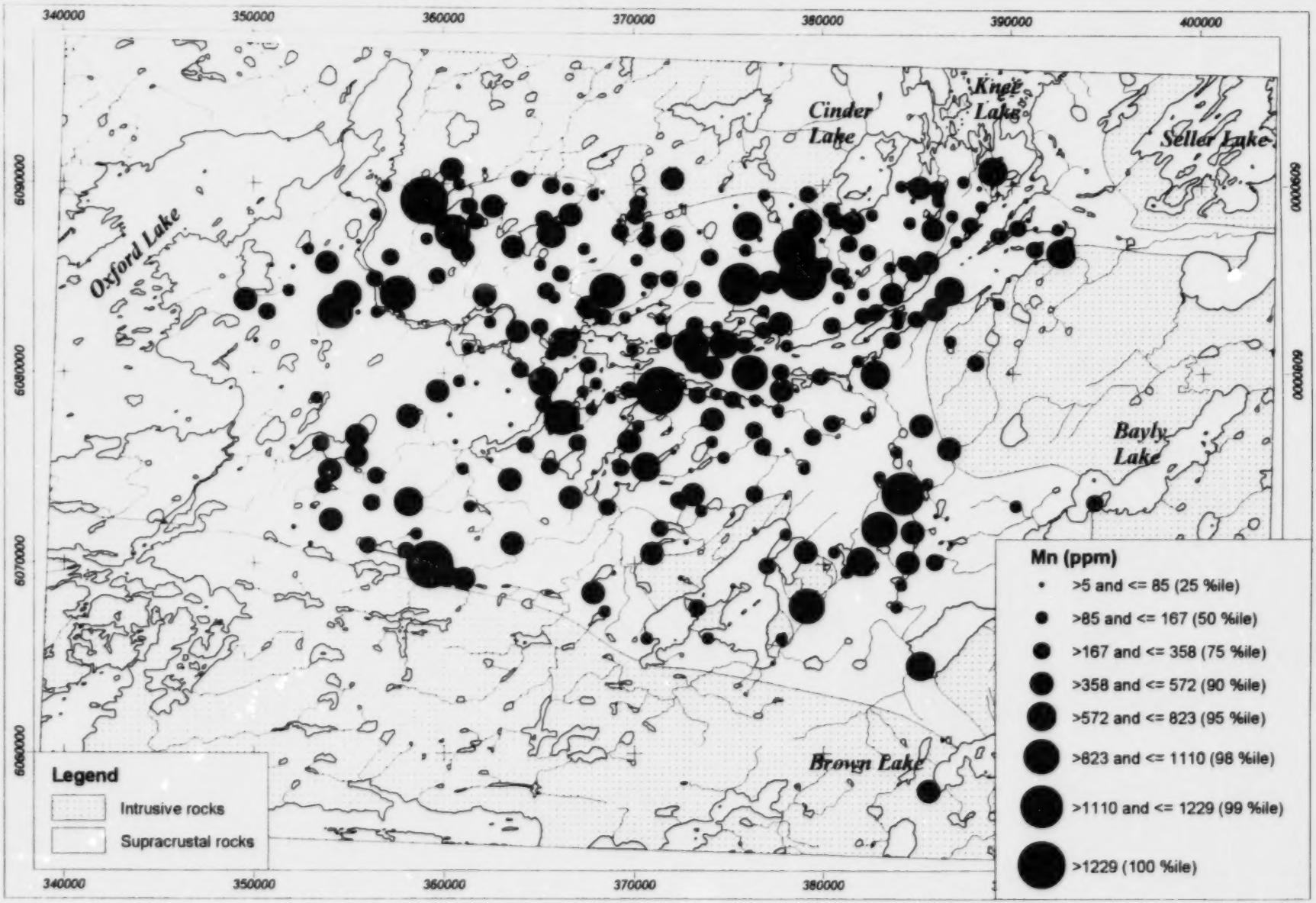
Humus (-80 mesh) - 305 samples
ICP-AES

Appendix H-3-4



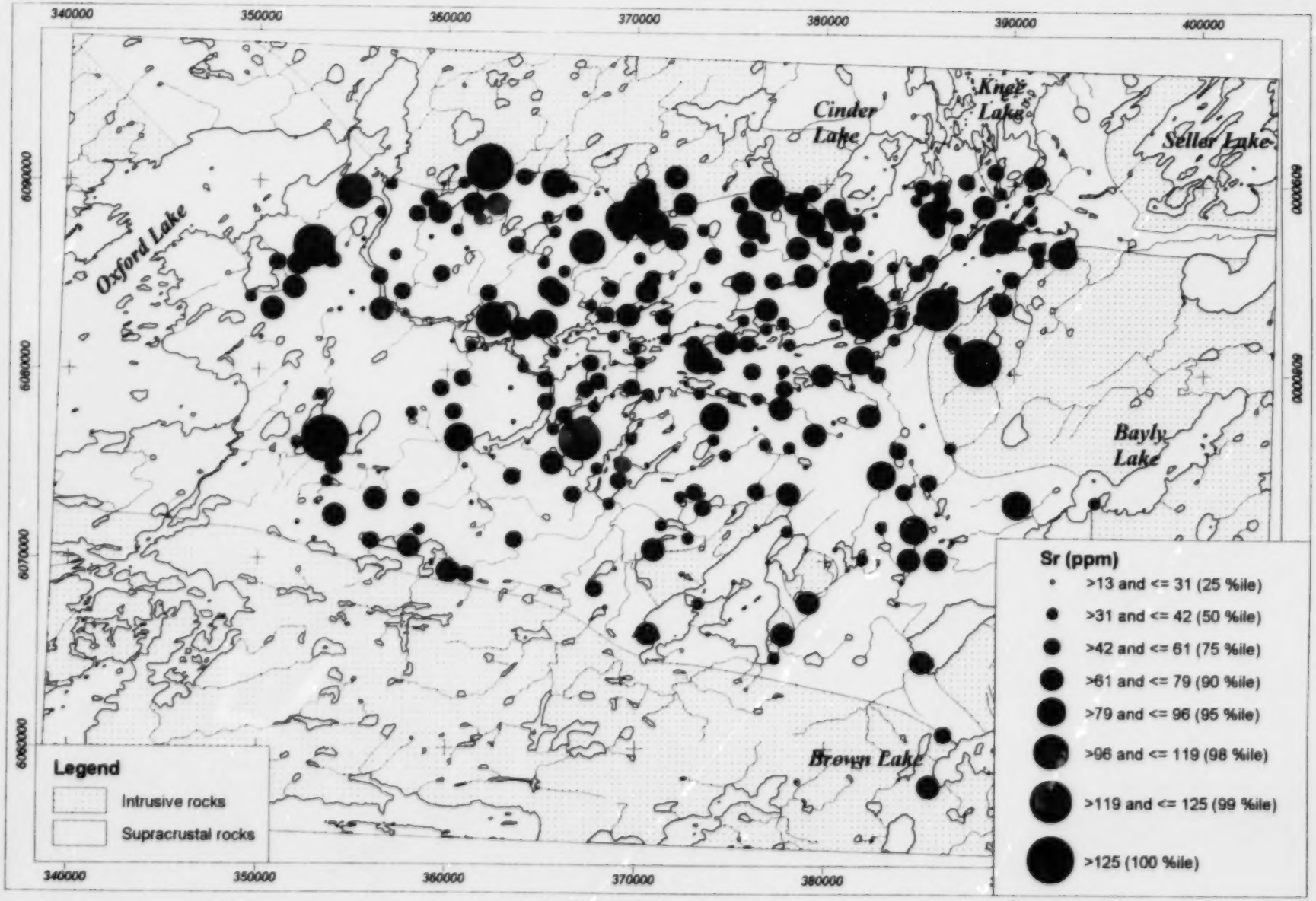
Humus (-80 mesh) - 305 samples
ICP-AES

Appendix H-3-5



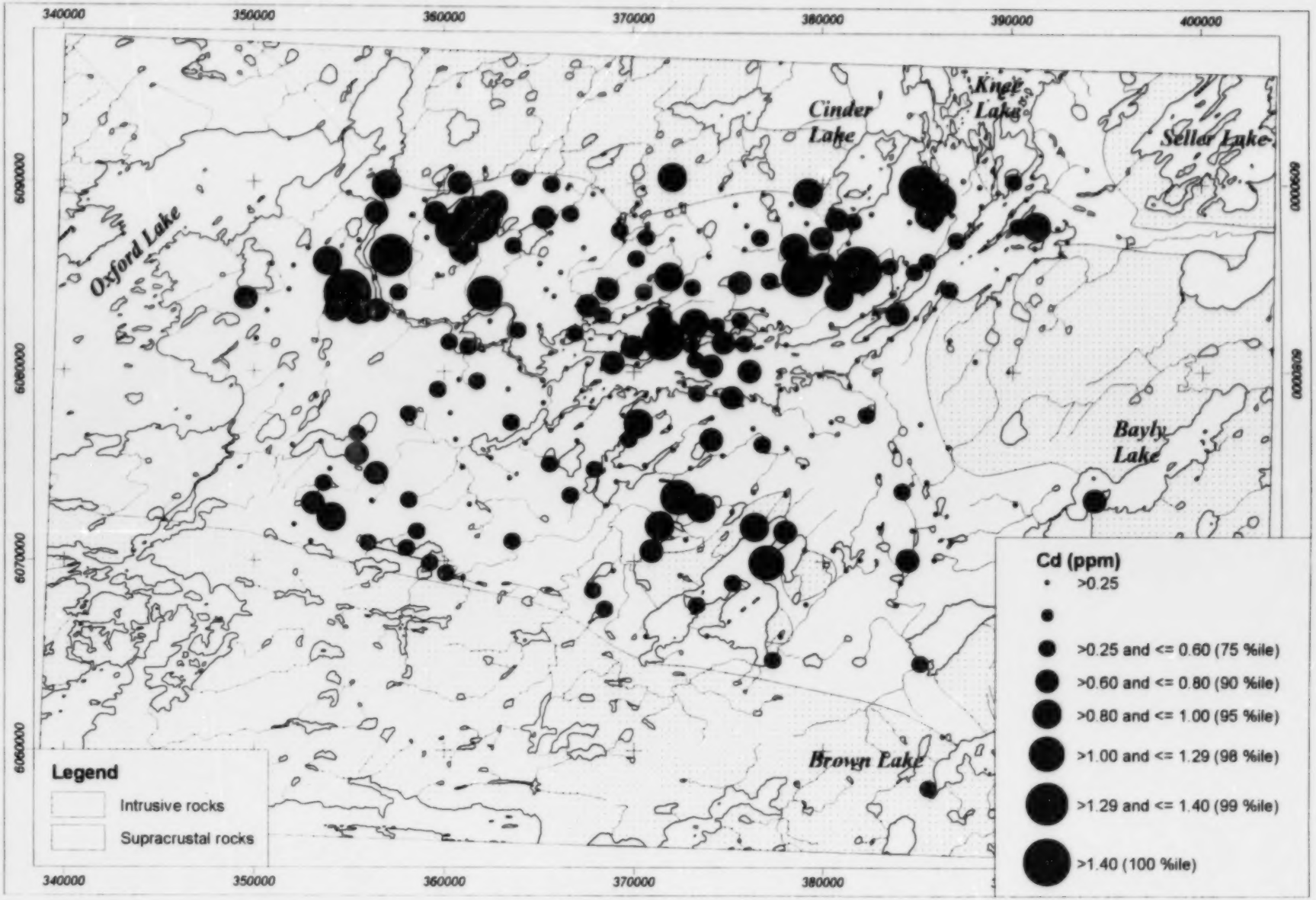
Humus (-80 mesh) - 305 samples
ICP-AES

Appendix H-3-6



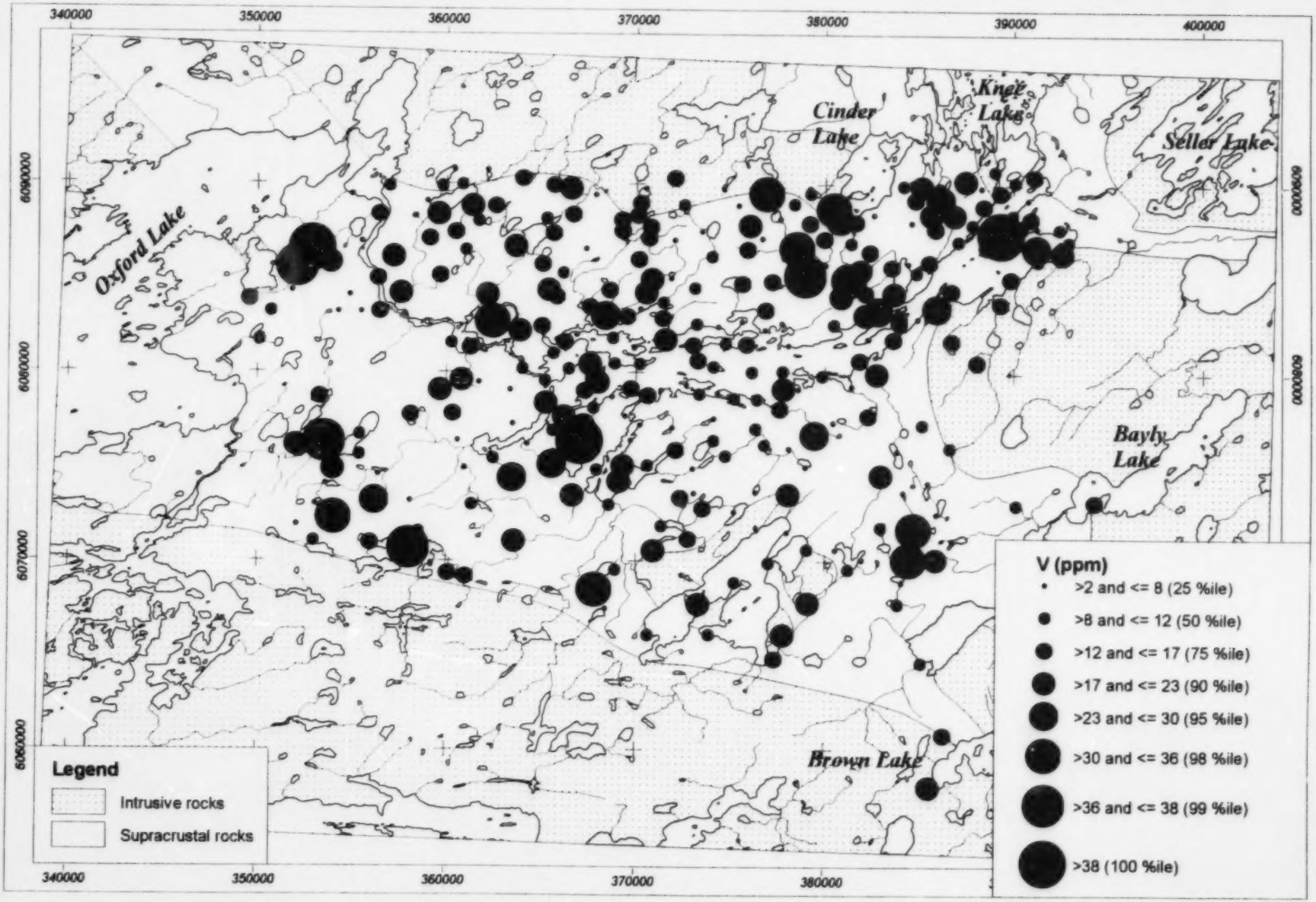
Humus (-80 mesh) - 305 samples
ICP-AES

Appendix H-3-7



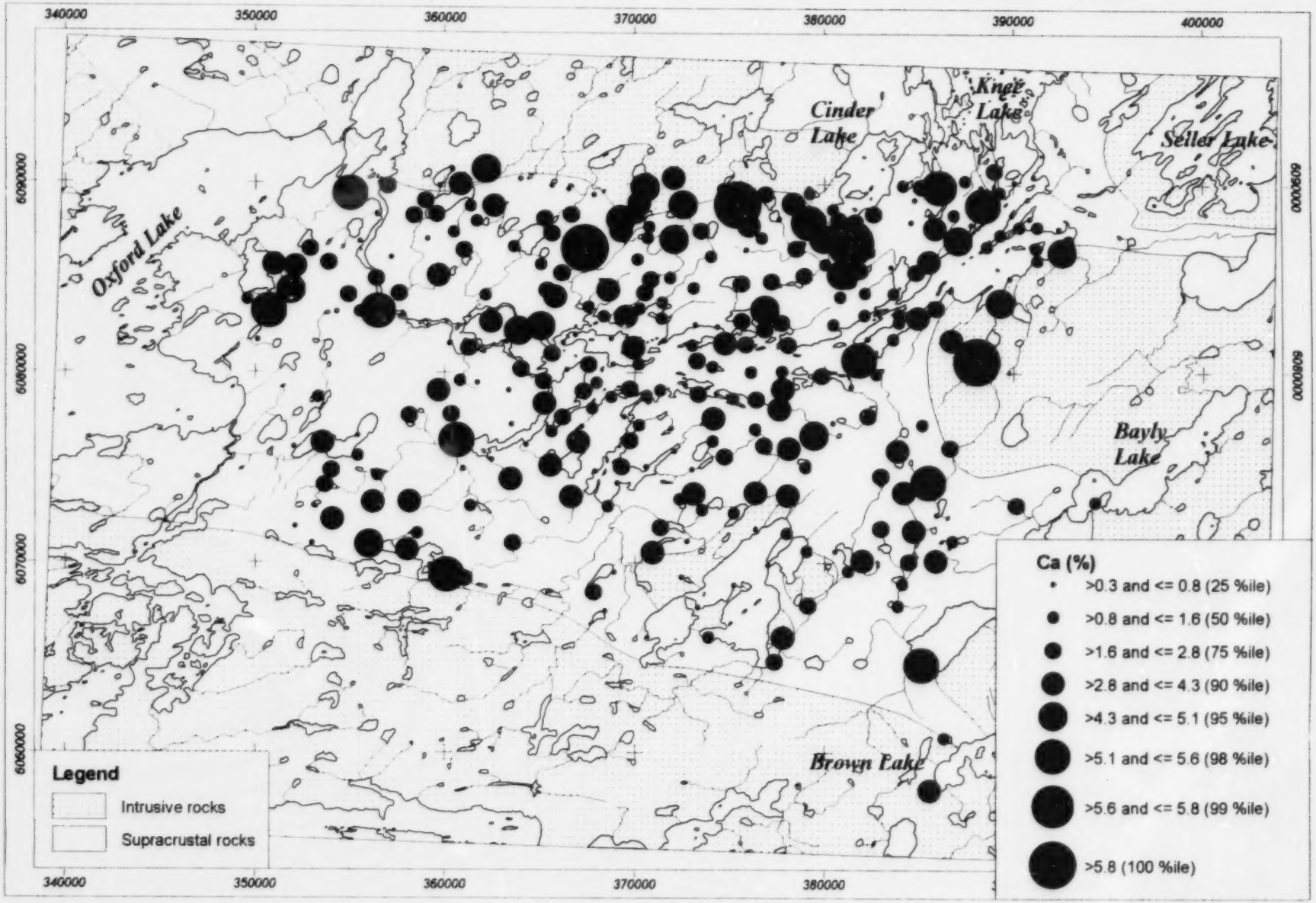
Humus (-80 mesh) - 305 samples
ICP-AES

Appendix H-3-8



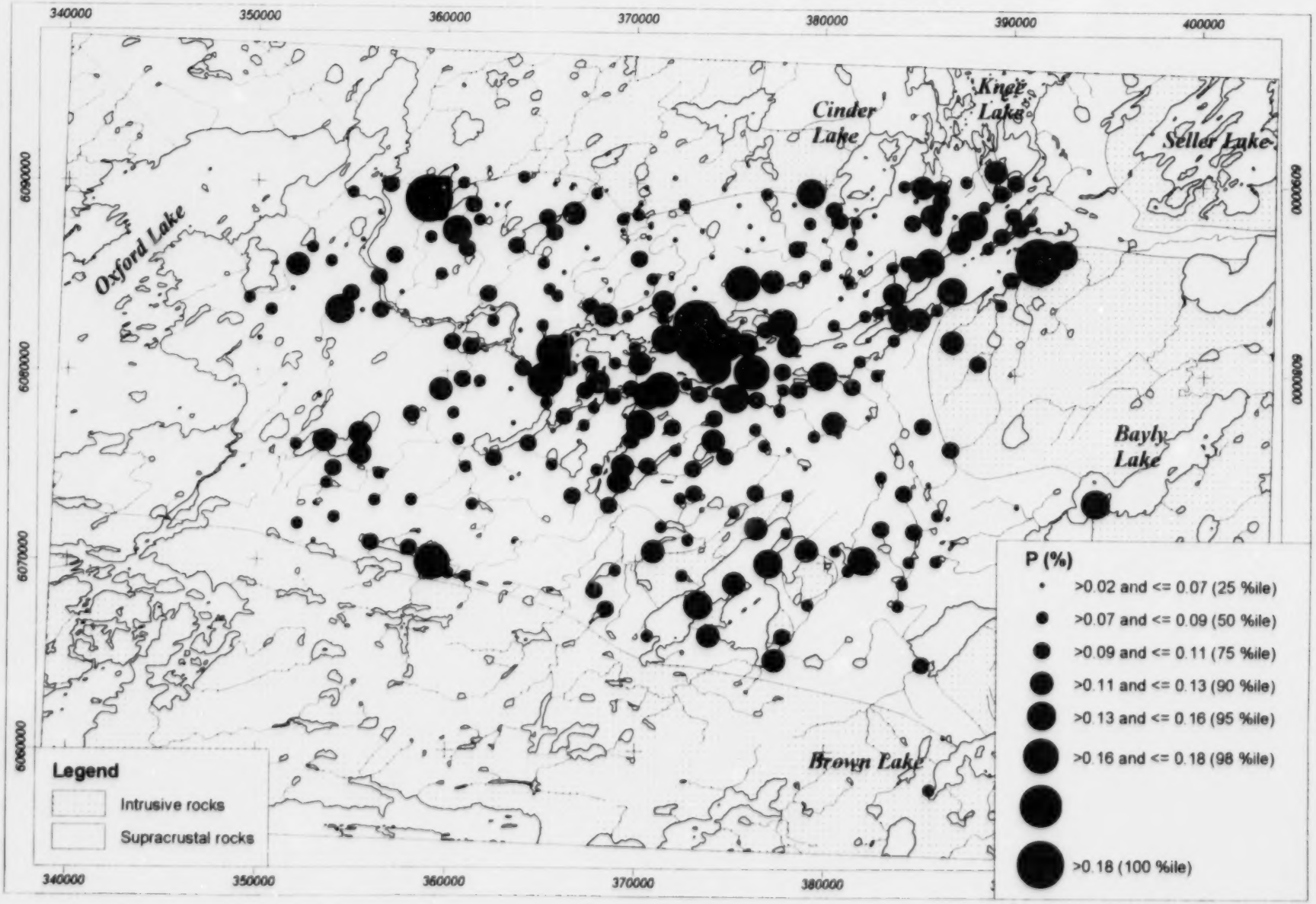
Humus (-80 mesh) - 305 samples
ICP-AES

Appendix H-3-9



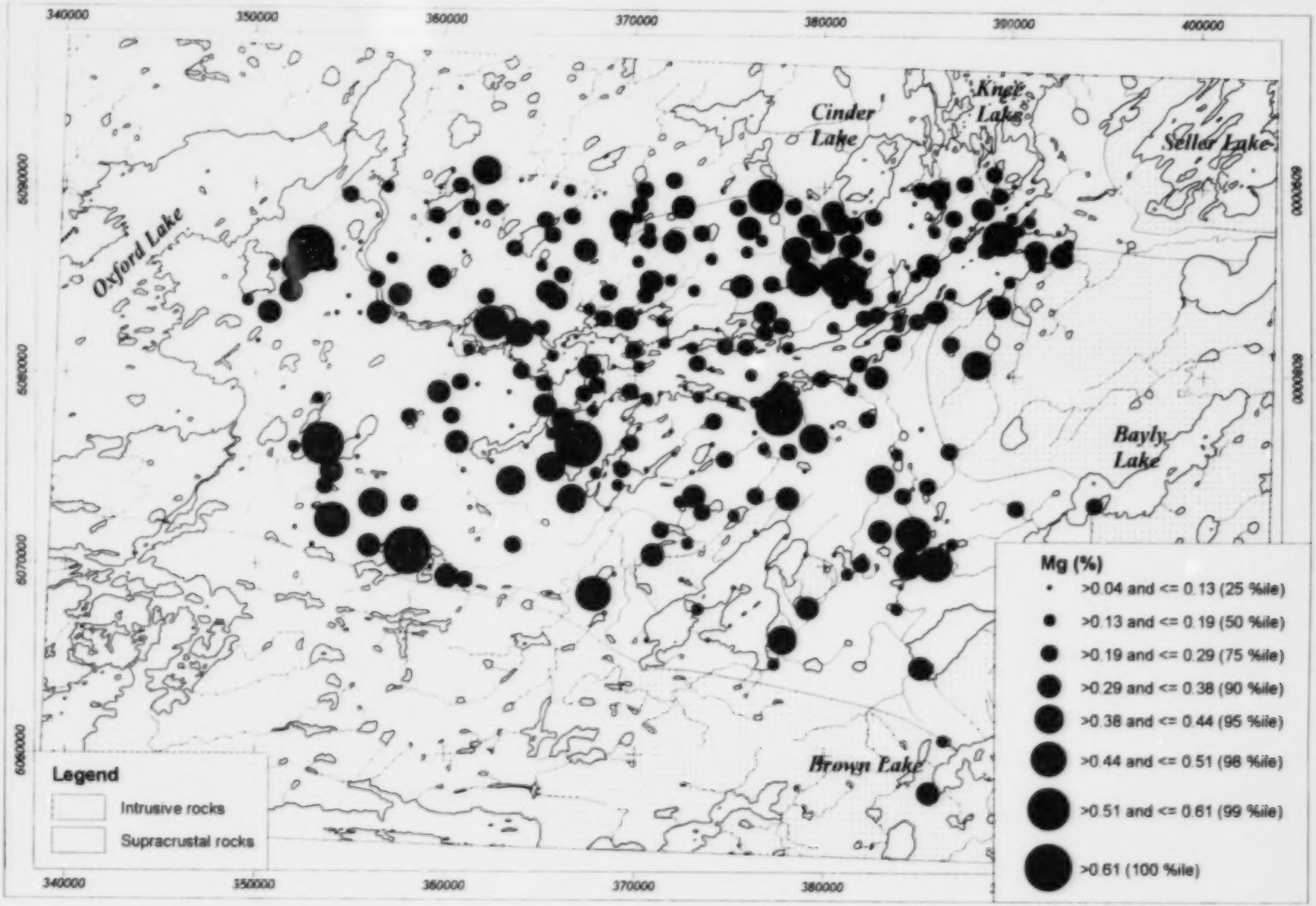
Humus (-80 mesh) - 305 samples
ICP-AES

Appendix H-3-10

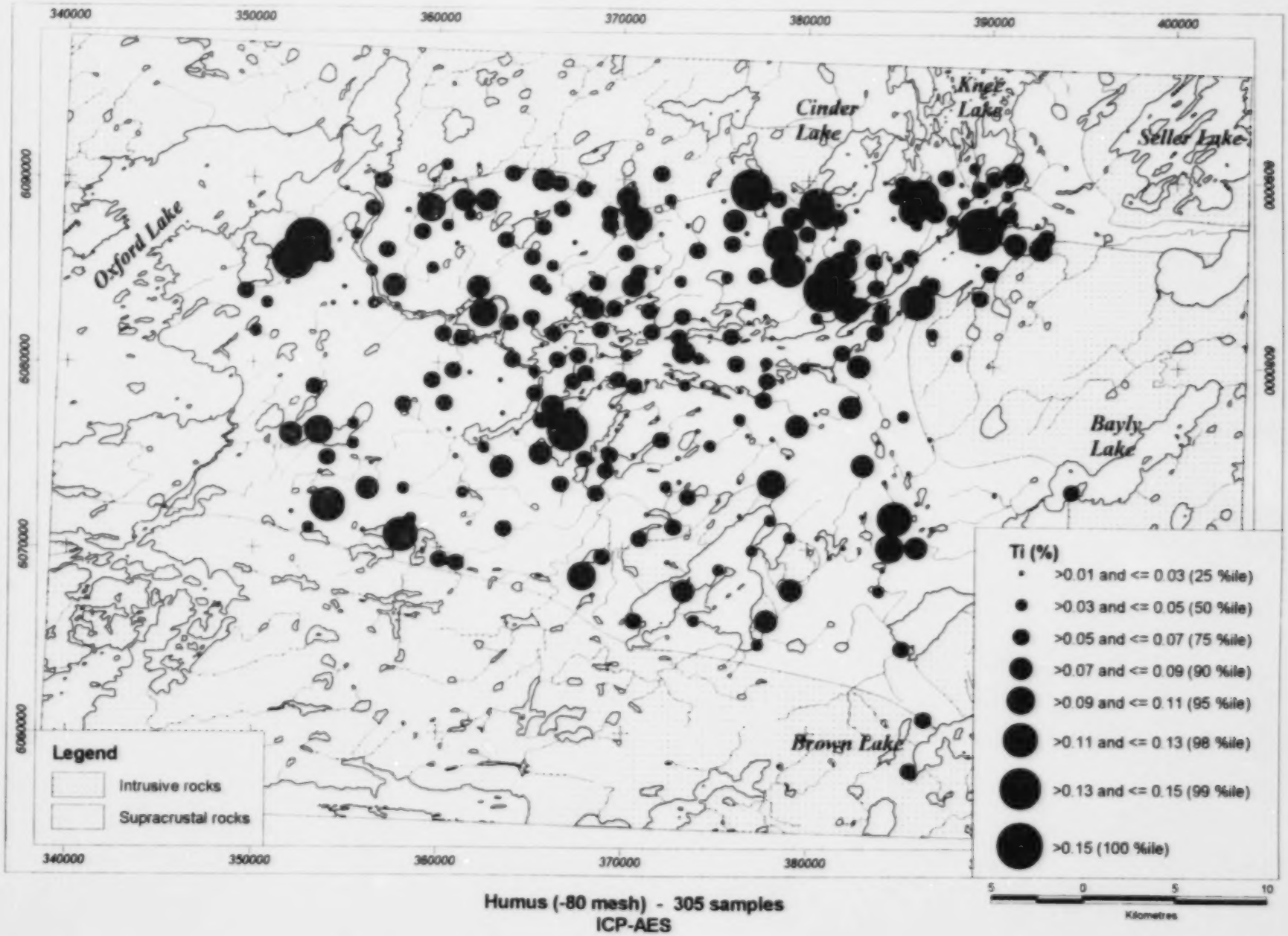


Humus (-80 mesh) - 305 samples
ICP-AES

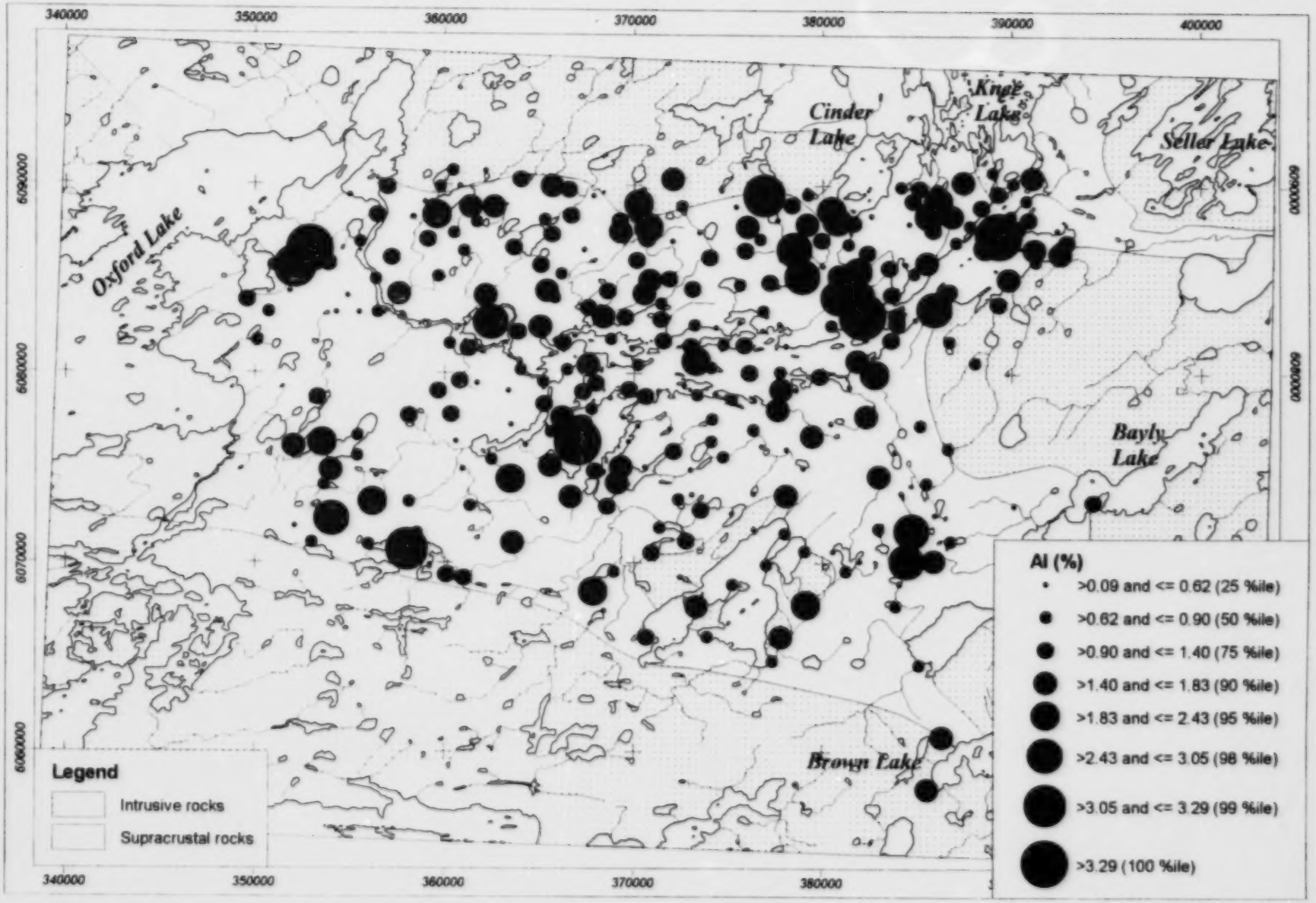
Appendix H-3-11



Humus (-80 mesh) - 305 samples
ICP-AES

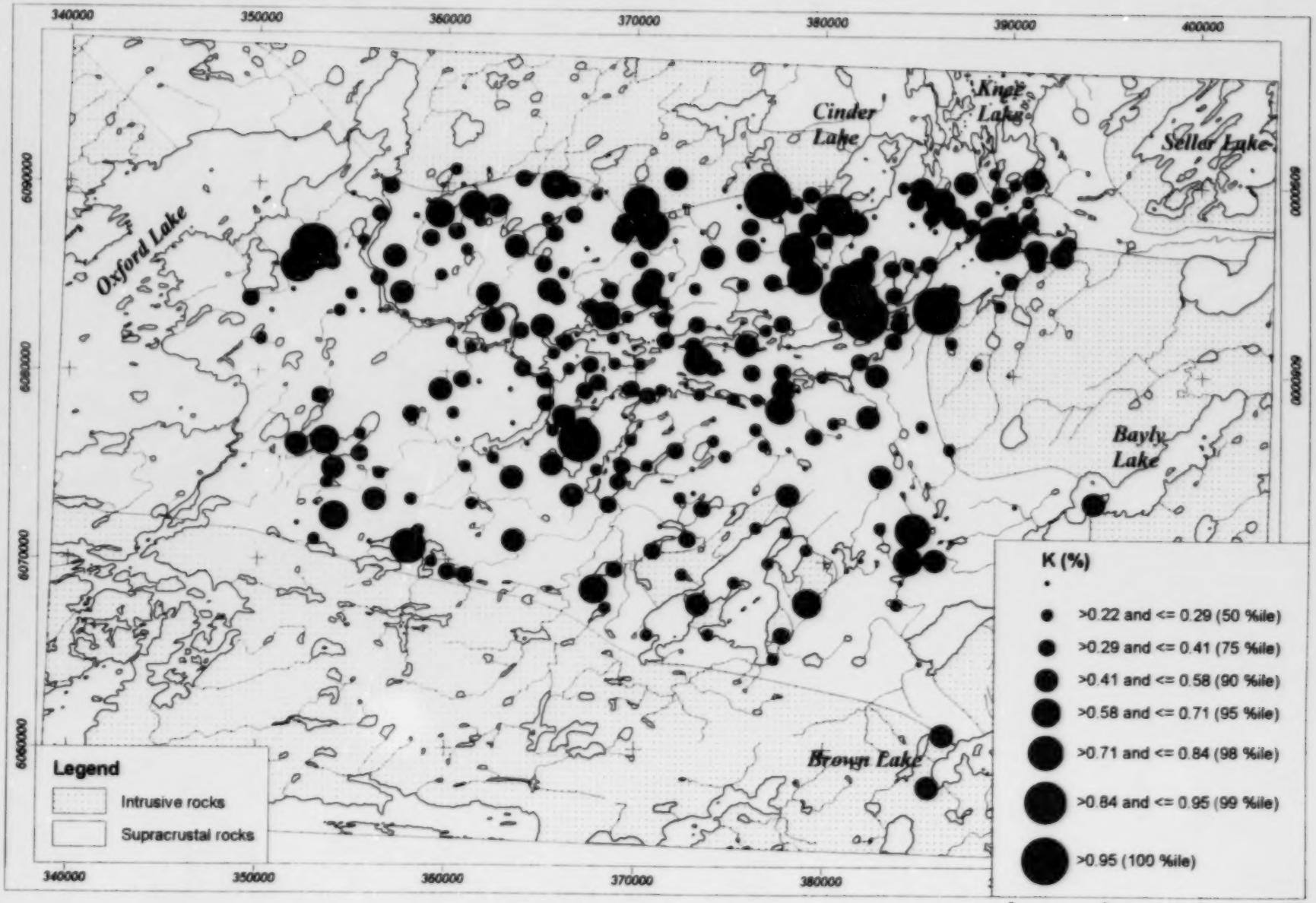


Humus (-80 mesh) - 305 samples
ICP-AES



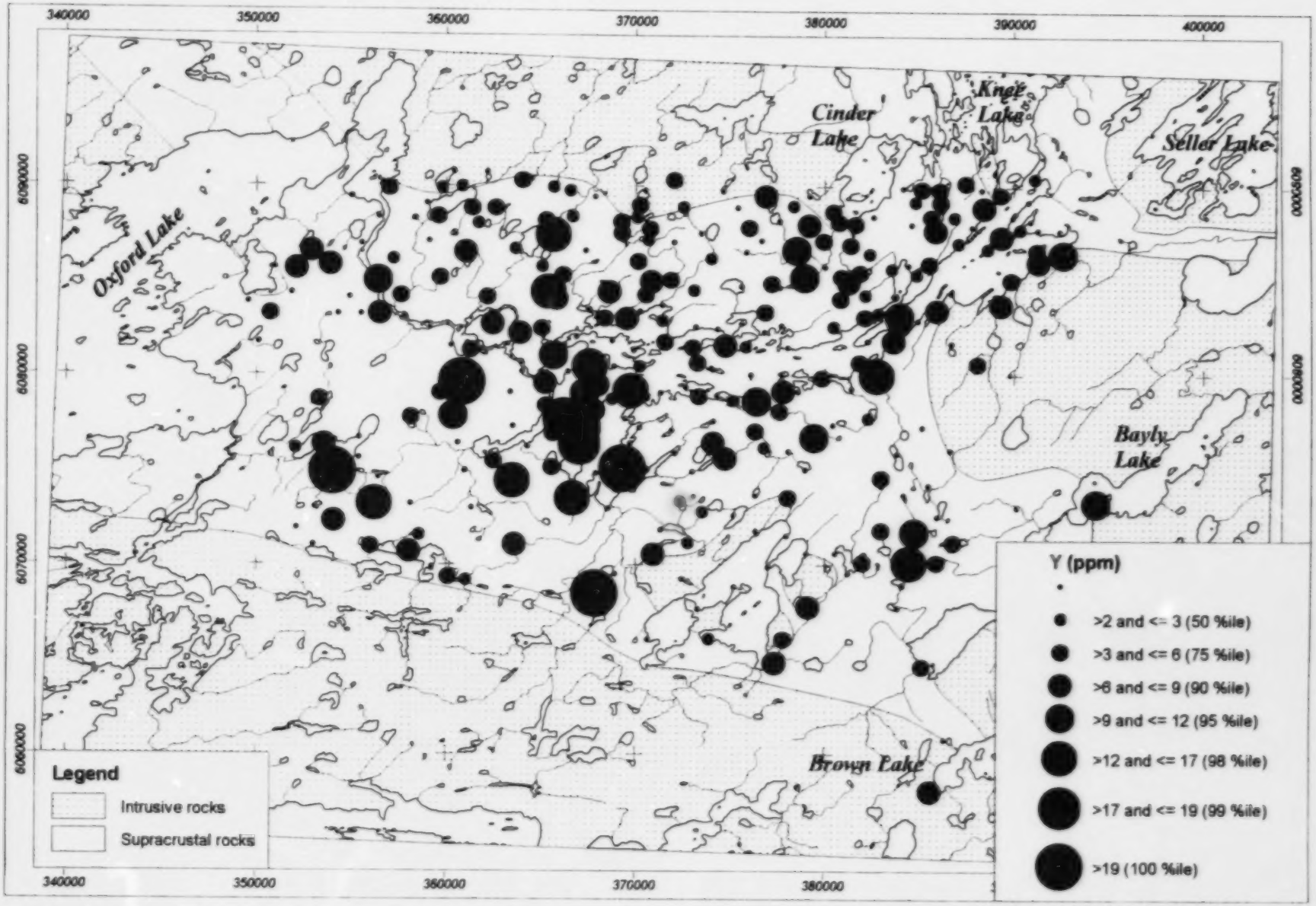
Humus (-80 mesh) - 305 samples
ICP-AES

Appendix H-3-14



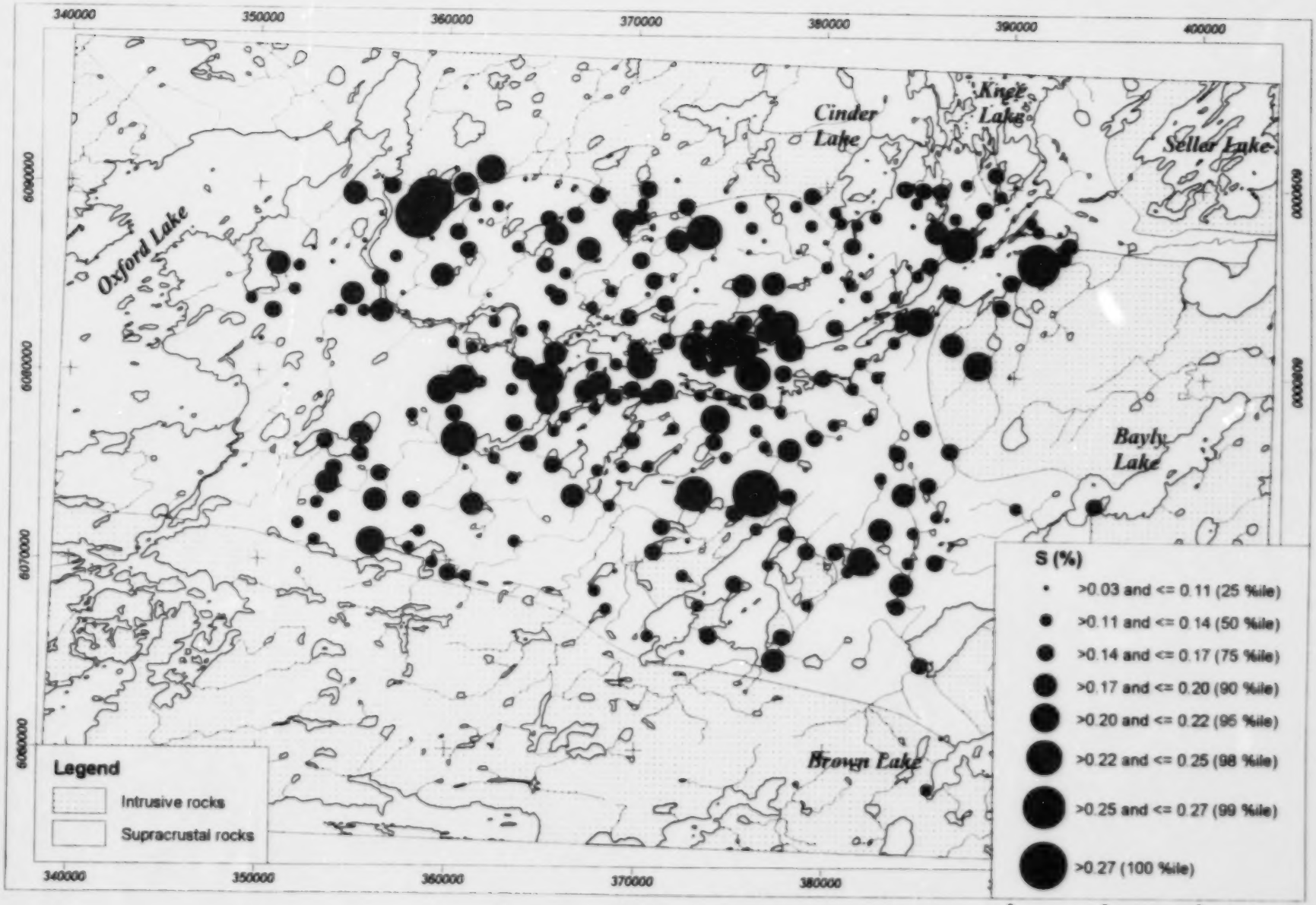
Humus (-80 mesh) - 305 samples
ICP-AES

Appendix H-3-15



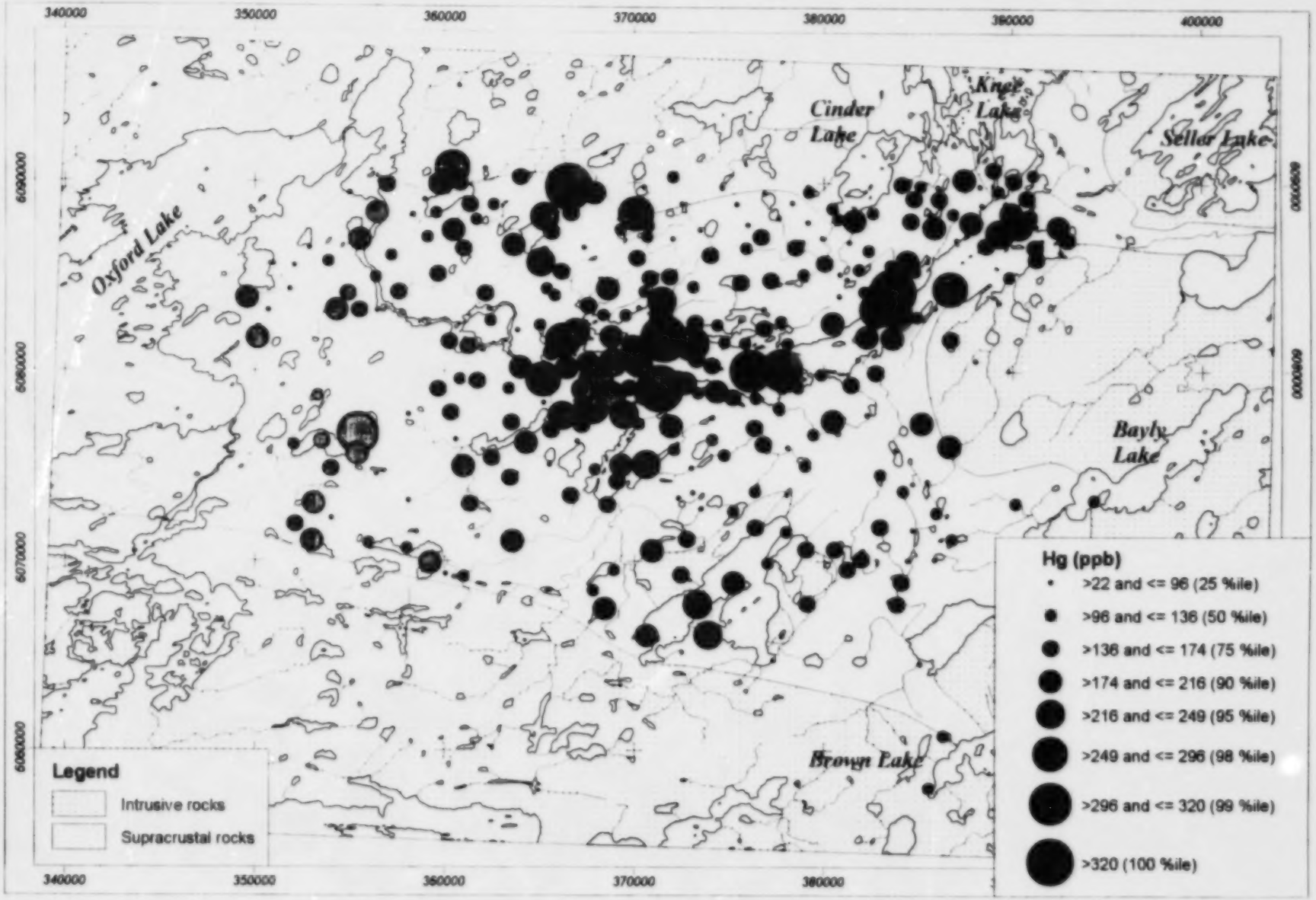
Humus (-80 mesh) - 305 samples
ICP-AES

Appendix H-3-16



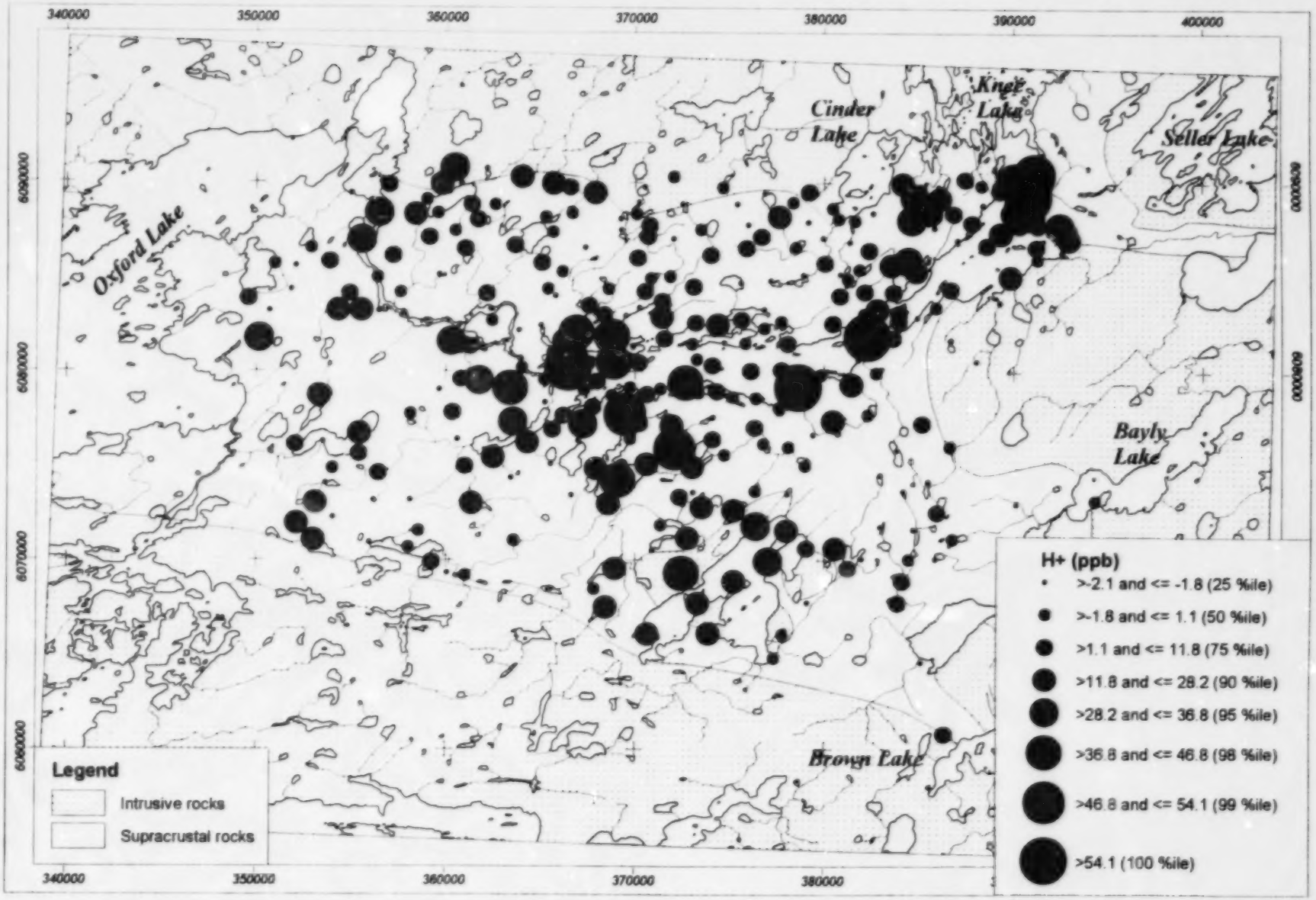
Humus (-80 mesh) - 305 samples
ICP-AES

Appendix H-3-17



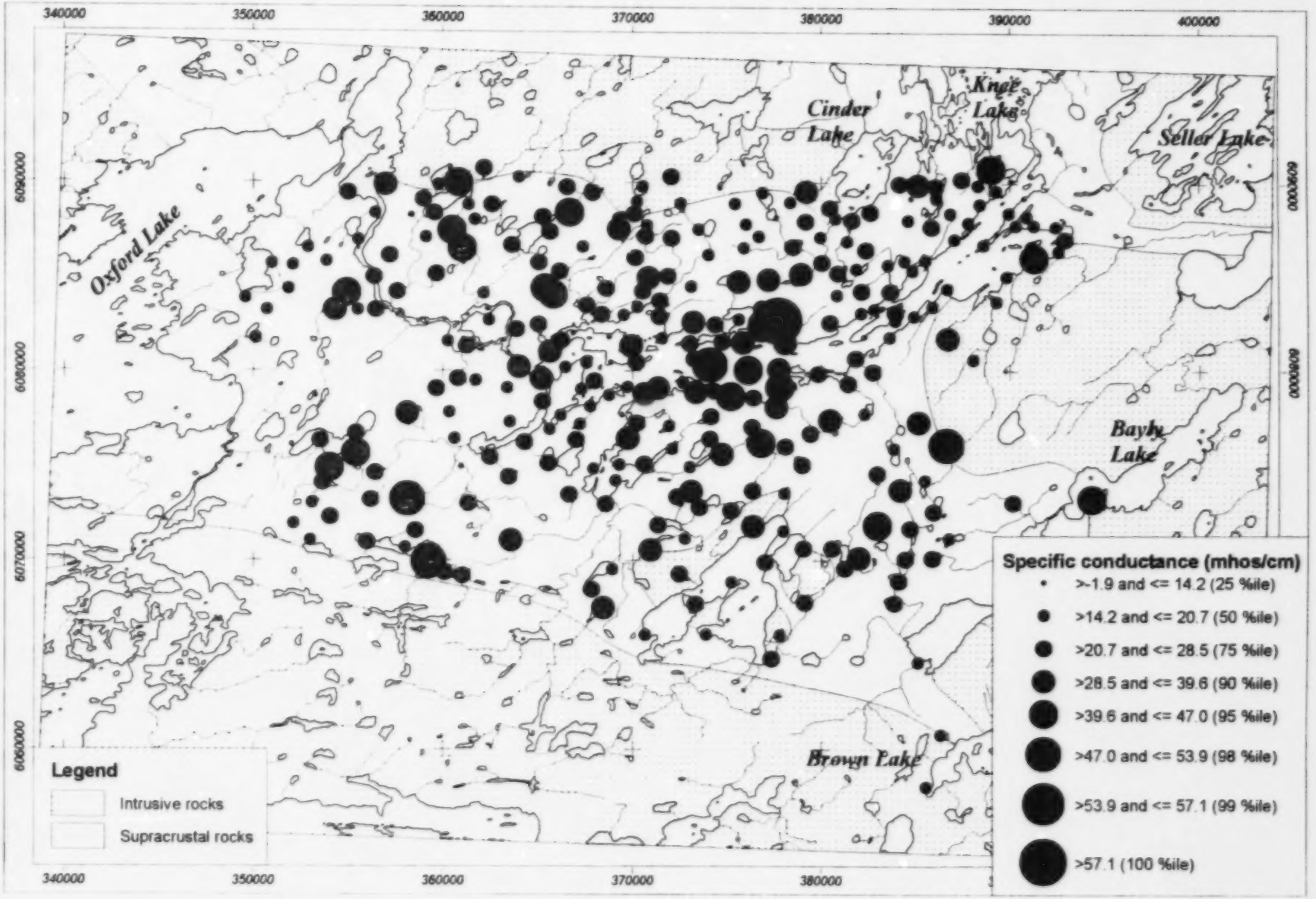
Humus (-80 mesh) - 305 samples
ICP-AES

Appendix H-3-18



Humus (-80 mesh) - 305 samples
ICP-AES

Appendix H-3-19



Humus (-80 mesh) - 305 samples
ICP-AES

Appendix H-4

INA Analyses.

Sample Site	UTM		Au	As	Ba	Br	Ca	Co	Cr	Fe	Hf	Mo	Na	Rb	Sb	Sc	Th	U	Zn
	Easting	Northing	pb	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
71-99H-1	381338.32	6086855.25	1	1.1	140	26.4	7	3.0	15.0	0.59	0.50	0.5	0.11	7.5	0.05	2.0	3.5	1.20	25
71-99H-2	379928.11	6087059.58	1	2.6	110	16.6	4	3.0	7.0	0.79	0.50	0.5	0.16	7.5	0.30	2.7	2.5	0.25	25
71-99H-3	380864.52	6085155.70	1	1.6	190	18.6	6	2.0	12.0	0.68	2.00	6.0	0.47	28.0	0.30	3.0	3.8	2.80	25
71-99H-4	385575.87	6057998.38	1	3.3	320	15.8	4	4.0	18.0	1.02	1.00	5.0	0.22	27.0	0.05	3.3	4.5	5.20	25
71-99H-5	386340.97	6060776.00	1	4.0	260	13.5	1	3.0	13.0	0.59	2.00	0.5	0.45	7.5	0.10	2.2	2.0	0.25	25
71-99H-6	385118.63	6064597.68	1	3.7	310	35.2	6	2.0	7.0	0.60	0.50	0.5	0.09	7.5	0.20	3.2	2.6	1.50	25
71-99H-7	380012.55	6085720.22	1	4.7	240	11.7	3	2.0	2.5	0.26	1.00	0.5	0.09	7.5	0.50	0.9	0.8	0.25	25
71-99H-8	381843.70	6085393.08	1	5.6	300	9.2	2	4.0	17.0	1.17	2.00	0.5	0.46	52.0	0.40	3.7	3.8	1.70	25
71-99H-9	381226.37	6084881.63	1	3.5	290	16.2	3	5.0	38.0	2.04	1.00	0.5	0.21	52.0	0.05	5.6	6.8	0.60	25
71-99H-10	380814.98	6083990.92	1	3.4	370	8.1	2	3.0	27.0	0.92	8.00	0.5	0.93	7.5	0.20	4.4	5.0	1.10	25
71-99H-11	382124.73	6084199.82	1	2.9	190	9.1	2	4.0	16.0	0.76	1.00	0.5	0.28	7.5	0.60	2.6	2.4	0.25	25
71-99H-12	384139.45	6089907.45	1	3.3	150	12.9	1	3.0	7.0	0.27	0.50	0.5	0.11	22.0	0.30	1.2	0.1	0.25	25
71-99H-13	385120.09	6089836.36	1	2.8	170	14.3	1	6.0	12.0	0.81	0.50	0.5	0.19	16.0	0.40	2.8	2.2	1.30	25
71-99H-14	386060.67	6089790.62	1	3.4	86	20.5	6	2.0	8.0	0.46	0.50	0.5	0.07	7.5	0.05	1.7	2.6	4.00	25
71-99H-15	385609.68	6088356.80	1	7.1	290	10.7	1	9.0	11.0	0.82	2.00	0.5	0.42	7.5	0.20	3.9	2.3	0.25	25
71-99H-16	386107.09	6089134.20	1	3.5	300	7.8	1	4.0	18.0	0.64	4.00	0.5	0.46	7.5	0.50	3.4	2.6	0.25	25
71-99H-17	386831.55	6088342.61	1	5.7	170	12.3	2	3.0	15.0	0.85	2.00	0.5	0.28	27.0	0.40	2.9	1.8	1.60	25
71-99H-18	384402.98	6085799.86	1	2.9	160	6.5	1	2.0	2.5	0.26	0.50	0.5	0.09	23.0	0.20	1.0	0.1	0.25	25
71-99H-19	383518.94	6085591.65	1	4.4	240	5.2	1	3.0	11.0	0.70	2.00	0.5	0.19	7.5	0.40	2.6	2.0	0.25	25
71-99H-20	385498.35	6085864.44	1	2.7	230	21.5	4	6.0	15.0	0.90	0.50	0.5	0.12	7.5	0.20	3.2	3.0	1.40	25
71-99H-21-1 Field Duplicate	384823.47	6085301.09	1	2.2	100	16.0	4	2.0	7.0	0.40	0.50	6.0	0.07	16.0	0.05	1.4	1.3	0.25	25
71-99H-21-2 Field Duplicate	384823.47	6085301.09	1	3.5	210	7.8	2	2.0	10.0	0.45	0.50	0.5	0.14	16.0	0.50	2.2	1.4	0.25	25
71-99H-22	383626.62	6084172.60	1	4.7	190	16.3	1	3.0	18.0	0.83	1.00	0.5	0.19	42.0	0.40	2.6	1.9	0.25	25
71-99H-23	382797.60	6083251.65	1	4.2	160	9.1	1	4.0	19.0	0.81	1.00	0.5	0.21	32.0	0.70	4.3	1.1	0.25	25
71-99H-24	383922.80	6083064.31	1	3.7	130	11.8	1	4.0	2.5	0.61	0.50	0.5	0.10	7.5	0.60	3.3	3.8	0.25	25
71-99H-25	390069.10	6090107.94	1	2.8	160	8.3	1	3.0	8.0	0.46	0.50	0.5	0.12	7.5	0.50	1.7	1.0	0.25	25
71-99H-26	389273.35	6089551.83	1	2.1	160	8.6	1	4.0	11.0	0.69	0.50	0.5	0.21	26.0	0.30	2.6	2.3	0.25	25
71-99H-27	388381.58	6088845.50	1	0.3	240	20.3	7	3.0	12.0	0.67	1.00	6.0	0.23	7.5	0.05	2.3	3.7	0.80	25
71-99H-28	391096.14	6090415.34	1	2.4	140	4.2	1	3.0	12.0	0.42	3.00	0.5	0.54	7.5	0.05	2.4	2.6	0.25	25
71-99H-29	390765.20	6089215.18	1	2.2	120	12.4	1	3.0	6.0	0.37	1.00	0.5	0.25	7.5	0.30	1.4	0.9	0.25	25
71-99H-30	389922.08	6088381.30	1	3.2	170	8.0	1	0.5	8.0	0.40	1.00	0.5	0.18	7.5	0.80	1.7	1.5	0.25	25
71-99H-31	387776.64	6087871.04	1	2.9	190	5.8	1	4.0	2.5	0.39	0.50	0.5	0.14	7.5	0.50	1.5	1.0	1.20	25
71-99H-32	389281.25	6087309.72	1	3.2	290	5.4	1	8.0	58.0	2.01	4.00	0.5	0.90	26.0	0.50	7.0	3.8	0.25	25
71-99H-33	387035.08	6086978.20	1	1.9	100	22.3	5	2.0	8.0	0.35	0.50	0.5	0.08	7.5	0.20	1.4	1.7	0.25	25
71-99H-34	388567.46	6086677.37	1	3.3	230	9.6	1	2.0	13.0	0.62	1.00	0.5	0.37	7.5	0.40	2.5	2.7	0.25	64
71-99H-35	390865.79	6088176.15	1	3.8	130	7.1	1	2.0	10.0	0.64	0.50	0.5	0.20	7.5	0.40	2.2	2.0	0.25	25
71-99H-36	390299.61	6087715.51	1	5.1	200	9.8	1	2.0	14.0	0.56	1.00	0.5	0.26	7.5	0.30	2.4	1.9	0.25	54
71-99H-37	391242.83	6087718.12	1	4.2	25	19.3	1	2.0	2.5	0.15	0.50	0.5	0.04	7.5	0.10	0.4	0.3	0.25	25
71-99H-38	392410.86	6087648.10	1	3.5	160	9.4	1	2.0	8.0	0.37	0.50	0.5	0.12	23.0	0.40	1.4	0.9	0.25	25
71-99H-39	392896.97	6086971.53	1	4.0	150	11.5	1	3.0	11.0	0.43	1.00	0.5	0.29	7.5	0.40	1.8	1.3	0.25	25
71-99H-40	392559.91	6086340.04	1	2.4	180	22.3	6	6.0	18.0	1.05	2.00	0.5	0.41	7.5	0.30	3.9	4.7	3.80	25
71-99H-41-1 Field Duplicate	391167.56	6086589.75	1	4.0	160	17.2	1	6.0	21.0	1.40	1.00	0.5	0.31	7.5	0.05	4.3	5.2	0.25	25
71-99H-41-2 Field Duplicate	391167.56	6086589.75	1	5.9	200	25.6	1	11.0	14.0	1.00	0.50	0.5	0.15	21.0	0.50	3.0	3.3	0.25	25

Sample Site	UTM		Au	As	Ba	Br	Ca	Co	Cr	Fe	Hf	Mo	Na	Rb	Sb	Sc	Th	U	Zn
	Easting	Northing	pb	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
71-99H-42	391238.39	6085940.29	1	1.5	100	14.6	3	5.0	7.0	0.71	0.50	0.5	0.09	38.0	0.30	3.9	5.0	2.00	25
71-99H-43	389804.68	6084999.49	1	4.2	180	14.5	1	4.0	10.0	0.70	2.00	0.5	0.36	36.0	0.40	2.8	2.3	0.25	57
71-99H-44	389261.00	6083667.72	1	3.4	130	21.7	4	3.0	13.0	0.75	0.50	0.5	0.09	24.0	0.05	2.8	4.0	0.25	25
71-99H-45	386653.33	6084343.11	1	4.7	170	12.4	1	4.0	12.0	0.60	0.50	0.5	0.25	7.5	0.50	2.4	1.2	0.25	25
71-99H-46	385883.41	6083393.71	1	3.5	270	11.0	3	4.0	27.0	1.09	4.00	0.5	0.75	7.5	0.05	4.3	3.7	0.25	59
71-99H-47	384919.22	6082875.51	1	0.3	120	18.3	5	2.0	2.5	0.25	0.50	0.5	0.06	7.5	0.30	1.1	0.9	0.25	25
71-99H-48	383904.64	6082648.05	1	2.8	90	11.4	2	3.0	19.0	0.70	1.00	0.5	0.13	20.0	0.05	2.8	3.0	0.25	25
71-99H-49	388981.01	6090705.90	1	1.2	150	12.3	2	2.0	10.0	0.44	0.50	0.5	0.19	7.5	0.30	1.6	1.7	1.40	25
71-99H-50	387427.39	6090166.15	1	3.6	200	11.2	1	3.0	20.0	1.09	1.00	0.5	0.26	7.5	0.40	3.2	2.2	0.25	25
71-99H-51	385816.88	6087616.81	2	4.6	100	25.0	4	8.0	12.0	0.75	0.50	10.0	0.09	7.5	0.60	2.9	2.5	0.25	25
71-99H-52	382575.20	6088407.01	1	2.8	25	25.6	5	2.0	6.0	0.45	0.50	6.0	0.12	7.5	0.30	1.5	1.7	0.25	25
71-99H-53	381611.17	6087984.39	1	2.9	140	9.8	2	3.0	13.0	0.67	2.00	0.5	0.36	7.5	0.40	2.6	2.3	0.25	100
71-99H-54	380446.70	6088630.40	1	3.0	260	8.7	1	6.0	31.0	1.23	2.00	0.5	0.41	40.0	0.40	4.1	3.4	0.90	65
71-99H-55	384763.43	6089168.41	1	3.2	250	8.0	1	2.0	14.0	0.57	0.50	0.5	0.17	7.5	0.40	2.3	1.7	1.50	25
71-99H-56	384593.57	6087985.36	1	2.1	170	6.0	1	2.0	2.5	0.28	0.50	0.5	0.10	7.5	0.50	1.1	0.6	0.25	25
71-99H-57	380747.02	6088073.86	1	3.6	170	13.9	2	5.0	25.0	1.19	2.00	0.5	0.40	29.0	0.05	4.1	3.7	1.30	25
71-99H-58	379201.36	6089481.35	1	0.3	210	8.7	1	3.0	7.0	0.41	0.50	0.5	0.26	7.5	0.05	1.3	1.1	0.25	25
71-99H-59	376870.52	6089445.37	1	2.3	320	18.1	2	5.0	40.0	1.62	3.00	3.0	0.64	64.0	0.05	6.0	5.9	1.60	77
71-99H-60	377624.11	6088152.06	1	0.3	25	16.1	1	0.5	2.5	0.16	0.50	0.5	0.03	7.5	0.20	0.5	0.1	0.25	25
71-99H-61	373483.58	6087490.54	1	3.0	25	36.0	1	2.0	2.5	0.30	0.50	0.5	0.06	7.5	0.05	1.2	1.1	0.25	25
71-99H-62	374649.11	6089718.54	1	3.0	25	27.9	4	0.5	2.5	0.32	1.00	0.5	0.18	7.5	0.20	1.8	3.0	6.10	25
71-99H-63	371851.38	6084985.15	1	5.6	140	11.0	4	5.0	12.0	0.69	0.50	0.5	0.13	7.5	0.40	2.8	3.4	0.25	25
71-99H-64	370818.75	6084894.62	1	5.2	100	10.8	3	4.0	21.0	0.84	0.50	0.5	0.23	36.0	0.30	2.7	3.2	0.25	25
71-99H-65	371421.23	6083690.52	1	3.3	25	10.6	2	8.0	12.0	0.43	0.50	15.0	0.15	7.5	0.30	1.3	1.0	0.25	25
71-99H-66	370239.75	6083375.40	1	2.1	110	20.1	6	7.0	2.5	0.28	0.50	0.5	0.05	7.5	0.05	0.8	0.7	0.25	25
71-99H-67	369512.90	6082951.85	1	3.5	110	12.8	4	8.0	17.0	0.79	0.50	0.5	0.10	7.5	0.30	2.3	3.0	0.25	25
71-99H-68	378482.32	6086547.36	1	6.4	25	10.3	2	11.0	25.0	1.39	0.50	0.5	0.32	66.0	0.60	4.7	4.4	0.25	170
71-99H-69	378901.57	6085104.21	1	6.5	320	9.3	1	9.0	31.0	1.89	2.00	0.5	0.39	7.5	0.05	5.9	7.2	0.25	107
71-99H-70-1 Field Duplicate	377176.25	6084802.55	1	1.4	110	18.4	4	6.0	2.5	0.46	0.50	0.5	0.17	7.5	0.05	1.7	1.3	0.25	25
71-99H-70-2 Field Duplicate	377176.25	6084802.55	1	3.5	160	18.8	1	8.0	22.0	0.80	0.50	0.5	0.28	7.5	0.05	2.8	2.8	0.25	25
71-99H-71	375594.28	6084702.04	1	4.1	120	17.8	3	10.0	9.0	0.40	0.50	15.0	0.11	36.0	0.40	1.6	1.4	0.25	189
71-99H-72	370123.86	6085972.41	1	7.4	110	12.0	1	5.0	14.0	0.72	0.50	14.0	0.21	7.5	0.05	2.4	2.3	0.25	25
71-99H-73	370656.16	6087109.32	1	5.7	160	10.1	1	5.0	10.0	0.73	2.00	0.5	0.38	52.0	0.05	2.5	2.7	0.25	25
71-99H-74	368347.58	6082970.14	1	3.9	180	6.9	1	5.0	20.0	1.15	0.50	0.5	0.28	7.5	0.05	3.7	3.2	0.25	83
71-99H-75	367566.14	6083452.59	8	3.6	180	6.9	1	3.0	15.0	0.61	1.00	0.5	0.19	7.5	0.05	2.1	1.6	0.25	25
71-99H-76	366875.73	6082011.38	1	3.1	110	9.6	1	2.0	7.0	0.30	0.50	0.5	0.07	7.5	0.40	0.9	1.0	0.25	25
71-99H-77	366237.10	6081599.59	1	3.4	340	10.2	1	3.0	17.0	0.42	0.50	14.0	0.17	7.5	0.60	1.6	1.5	0.25	66
71-99H-78	368777.48	6081793.37	1	2.8	120	8.7	1	0.5	2.5	0.32	2.00	0.5	0.26	7.5	0.30	1.4	1.1	0.25	25
71-99H-79	369918.79	6081283.90	1	3.8	85	13.5	4	2.0	2.5	0.28	0.50	0.5	0.12	7.5	0.30	1.0	1.4	0.25	25
71-99H-80	371536.33	6081711.47	1	4.0	160	15.1	1	4.0	16.0	0.99	1.00	0.5	0.18	7.5	0.30	2.8	1.8	0.25	25
71-99H-81	370746.10	6087688.00	1	2.9	290	7.9	1	4.0	17.0	0.72	4.00	0.5	0.76	7.5	0.30	3.3	3.7	0.25	25
71-99H-82-1 Field Duplicate	372516.50	6088851.06	1	1.8	150	23.2	4	3.0	6.0	0.43	0.50	5.0	0.10	7.5	0.05	1.2	1.5	4.80	25
71-99H-82-2 Field Duplicate	372516.50	6088851.06	1	1.6	130	22.3	6	2.0	2.5	0.43	1.00	4.0	0.13	7.5	0.05	1.3	1.5	4.30	25
71-99H-83	372026.99	6090288.56	1	3.0	220	8.3	3	6.0	12.0	0.66	1.00	2.0	0.44	7.5	0.40	2.6	2.9	0.25	25
71-99H-84	370517.90	6089778.24	1	3.9	91	20.3	5	0.5	7.0	0.24	0.50	4.0	0.06	7.5	0.10	0.7	0.9	5.70	25
71-99H-85	370224.45	6088963.94	1	2.6	210	12.5	3	3.0	16.0	0.68	2.00	3.0	0.60	40.0	0.05	2.6	2.8	1.90	50
71-99H-86	370086.72	6088310.03	1	3.7	160	13.5	3	3.0	10.0	0.60	0.50	0.5	0.17	40.0	0.20	1.4	1.6	0.25	72
71-99H-87	365628.38	6087349.81	1	3.2	250	10.7	3	14.0	11.0	0.69	0.50	0.5	0.12	7.5	0.05	2.6	3.2	0.25	67
71-99H-88	366652.68	6088345.47	1	3.3	110	10.2	3	5.0	13.0	0.60	0.50	0.5	0.12	7.5	0.30	1.7	2.0	0.25	25

Sample Site	UTM		Au	As	Ba	Br	Ca	Co	Cr	Fe	Hf	Mo	Na	Rb	Sb	Sc	Th	U	Zn
	Easting	Northing	pb	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
71-99H-89	359762.87	6089860.45	1	4.3	100	10.4	1	3.0	2.5	0.45	0.50	0.5	0.10	7.5	0.30	1.5	1.6	0.25	25
71-99H-90	360419.16	6090713.89	1	3.2	160	15.5	1	1.0	2.5	0.31	0.50	0.5	0.19	7.5	0.50	1.3	0.7	0.25	25
71-99H-91	367854.62	6089411.77	1	4.0	260	13.9	1	3.0	2.5	0.23	0.50	1.0	0.13	7.5	0.05	1.0	0.1	0.25	25
71-99H-92	358969.17	6089064.02	1	52.4	70	95.7	1	9.0	2.5	8.12	0.50	0.5	0.02	7.5	0.05	0.4	0.9	0.25	91
71-99H-93	360817.18	6089935.46	1	3.1	270	11.4	3	3.0	6.0	0.30	0.50	0.5	0.06	7.5	0.20	1.0	1.6	0.25	25
71-99H-94	361334.61	6088793.40	1	2.6	240	8.4	2	4.0	20.0	0.74	2.00	0.5	0.44	38.0	0.20	2.8	2.2	0.25	25
71-99H-95	359548.28	6088342.12	1	4.2	240	7.8	2	5.0	18.0	0.89	2.00	6.0	0.38	44.0	0.30	3.2	3.1	0.25	25
71-99H-96	360462.48	6087420.55	1	4.7	210	14.6	2	4.0	7.0	0.63	0.50	0.5	0.12	7.5	0.30	1.5	1.1	0.25	97
71-99H-97	361670.11	6088011.47	1	3.2	220	8.8	1	3.0	14.0	0.44	0.50	0.5	0.11	7.5	0.30	1.7	1.6	0.25	104
71-99H-98	360997.64	6086474.25	1	1.5	120	9.0	2	2.0	6.0	0.34	0.50	0.5	0.08	7.5	0.05	1.2	1.1	0.25	25
71-99H-99	366531.44	6089734.77	1	3.3	140	10.3	1	5.0	18.0	0.65	0.50	8.0	0.18	26.0	0.50	2.5	2.1	0.25	53
71-99H-100	365660.55	6089907.35	1	2.2	310	5.3	1	2.0	12.0	0.51	3.00	0.5	0.60	7.5	0.50	2.2	2.1	0.25	25
71-99H-101-1 Field Duplicate	364004.46	6090265.61	1	2.2	300	6.2	1	5.0	14.0	0.76	1.00	0.5	0.30	7.5	0.40	2.8	2.2	0.25	51
71-99H-101-2 Field Duplicate	364004.46	6090265.61	1	1.7	25	6.3	1	2.0	2.5	0.35	0.50	0.5	0.12	7.5	0.05	1.1	0.7	0.25	54
71-99H-102	365042.73	6085719.91	1	3.7	25	15.1	1	3.0	9.0	0.51	0.50	0.5	0.15	7.5	0.40	1.6	1.0	0.25	25
71-99H-103	363623.14	6086658.21	1	2.3	160	5.8	1	4.0	14.0	0.74	0.50	0.5	0.19	26.0	0.20	2.8	1.9	0.25	25
71-99H-104	365252.32	6088140.42	1	3.0	25	12.9	3	3.0	8.0	0.38	0.50	0.5	0.07	7.5	0.20	1.4	1.7	0.25	25
71-99H-105	369243.39	6088065.28	1	1.5	330	22.0	5	3.0	10.0	0.67	0.50	0.5	0.10	27.0	0.05	2.2	2.5	4.80	25
71-99H-106	369259.00	6087478.80	1	2.7	190	9.7	5	3.0	12.0	0.72	2.00	0.5	0.27	21.0	0.40	2.5	2.1	0.60	25
71-99H-107	367342.33	6086563.25	1	2.2	25	21.8	6	2.0	6.0	0.28	0.50	0.5	0.05	7.5	0.05	0.8	1.3	1.30	25
71-99H-108	366150.70	6085252.06	1	3.4	140	8.5	3	3.0	11.0	0.44	1.00	0.5	0.13	7.5	0.40	1.6	1.4	1.60	25
71-99H-109	368585.13	6084340.09	1	1.7	270	8.9	3	4.0	11.0	0.60	0.50	0.5	0.13	23.0	0.20	2.2	3.0	0.25	25
71-99H-110	365361.78	6084343.39	1	3.3	370	9.5	3	5.0	14.0	0.87	1.00	0.5	0.15	30.0	0.05	3.0	4.5	0.25	25
71-99H-111	371414.93	6082844.68	1	4.3	180	9.0	1	3.0	15.0	0.57	1.00	0.5	0.29	27.0	0.20	2.3	2.3	0.25	25
71-99H-112	373206.39	6082560.89	1	1.5	150	5.2	2	2.0	2.5	0.40	0.50	0.5	0.11	7.5	0.40	1.5	0.8	0.25	131
71-99H-113	374372.83	6082434.83	1	1.9	120	6.7	1	1.0	2.5	0.15	0.50	0.5	0.04	7.5	0.10	0.4	0.8	0.25	25
71-99H-114	375612.85	6082701.79	1	2.9	150	14.7	1	1.0	2.5	0.24	0.50	0.5	0.04	7.5	0.20	0.7	1.0	0.25	54
71-99H-115	376837.58	6083283.99	1	2.4	170	16.1	5	2.0	13.0	0.60	0.50	0.5	0.09	7.5	0.05	1.8	3.0	1.70	25
71-99H-116	376836.61	6082259.30	1	3.3	100	12.5	3	3.0	2.5	0.31	0.50	0.5	0.07	7.5	0.30	1.0	1.1	0.25	112
71-99H-117	377727.45	6082617.72	1	1.8	100	9.2	2	5.0	11.0	0.36	0.50	0.5	0.09	7.5	0.05	1.0	1.0	0.25	25
71-99H-118	380435.24	6082526.84	1	2.5	100	8.4	1	5.0	9.0	0.50	0.50	0.5	0.12	7.5	0.40	1.8	1.6	0.25	25
71-99H-119	382085.70	6083046.21	1	2.4	360	4.1	1	5.0	25.0	1.02	4.00	0.5	1.15	28.0	0.20	3.0	3.4	0.25	25
71-99H-120	356959.53	6089846.66	1	3.8	100	9.8	2	7.0	2.5	0.50	0.50	6.0	0.13	7.5	0.60	2.2	2.0	0.25	62
71-99H-121	356420.52	6088346.81	1	2.6	160	6.9	1	4.0	7.0	0.50	0.50	0.5	0.20	7.5	0.40	2.0	1.5	0.25	25
71-99H-122	355531.65	6086917.04	1	2.2	120	6.8	1	4.0	8.0	0.38	0.50	0.5	0.10	7.5	0.20	1.5	0.9	0.25	25
71-99H-123	357174.69	6086097.90	1	1.8	180	6.8	1	5.0	14.0	0.59	0.50	0.5	0.17	24.0	0.20	2.1	1.6	0.25	25
71-99H-124-1 Field Duplicate	362147.22	6090729.66	1	1.5	100	15.3	6	4.0	7.0	0.29	0.50	0.5	0.07	7.5	0.10	1.1	1.2	1.90	25
71-99H-124-2 Field Duplicate	362147.22	6090729.66	1	1.0	74	18.1	6	3.0	2.5	0.15	0.50	0.5	0.04	7.5	0.05	0.6	0.4	1.10	25
71-99H-125	362574.30	6088793.60	1	2.8	160	7.4	4	6.0	15.0	0.78	1.00	0.5	0.26	32.0	0.30	3.1	3.5	0.25	25
71-99H-126	359632.73	6085112.70	1	2.6	120	11.6	4	4.0	11.0	0.50	0.50	0.5	0.11	7.5	0.40	1.6	1.8	2.20	25
71-99H-127	359088.91	6087067.02	1	7.0	160	4.3	1	7.0	2.5	0.52	0.50	1.0	0.16	7.5	0.05	2.0	1.7	0.25	79
71-99H-129	354975.32	6089429.73	1	1.5	50	21.3	6	6.0	2.5	0.21	0.50	5.0	0.05	7.5	0.20	0.8	0.1	2.50	25
71-99H-130	358359.43	6088287.11	1	4.6	120	39.2	1	7.0	2.5	0.23	0.50	1.0	0.02	7.5	0.05	0.4	0.1	0.25	25
71-99H-131	356359.18	6084946.56	1	3.5	110	7.3	3	6.0	11.0	0.52	0.50	1.0	0.12	7.5	0.30	1.9	2.3	0.25	25
71-99H-132	352858.25	6086503.69	1	2.9	370	13.5	1	11.0	51.0	2.27	2.00	0.5	0.33	77.0	0.05	6.9	7.8	3.10	25
71-99H-133	350961.55	6085671.72	1	3.7	93	21.8	1	7.0	8.0	0.39	0.50	0.5	0.07	7.5	0.05	1.5	1.9	2.70	25
71-99H-134	353845.36	6085793.03	1	5.1	200	10.3	1	9.0	12.0	0.61	0.50	1.0	0.15	7.5	0.05	2.3	2.5	0.25	25
71-99H-135	354883.31	6084079.64	1	4.5	240	10.9	3	9.0	2.5	0.39	0.50	1.0	0.07	7.5	0.05	1.1	1.7	0.25	88
71-99H-136	349567.90	6083833.12	1	2.7	180	9.5	1	7.0	9.0	0.44	0.50	1.0	0.14	7.5	0.70	1.9	1.9	0.25	93

Sample Site	UTM		Au	As	Ba	Br	Ca	Co	Cr	Fe	Hf	Mo	Na	Rb	Sb	Sc	Th	U	Zn
	Easting	Northing	pb	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
71-99H-137	351850.75	6084320.15	1	0.3	90	14.2	7	7.0	10.0	0.49	0.50	1.0	0.05	7.5	0.05	1.3	2.0	0.25	25
71-99H-138	352071.35	6085574.59	1	2.1	250	17.3	3	8.0	38.0	1.62	1.00	13.0	0.26	64.0	0.30	5.6	6.8	0.25	25
71-99H-139	357564.78	6084160.24	1	0.3	220	5.9	1	7.0	16.0	0.81	0.50	0.5	0.25	7.5	0.40	3.0	2.8	1.60	70
71-99H-140	363864.01	6082169.82	1	0.3	160	17.6	5	6.0	12.0	0.77	0.50	0.5	0.15	7.5	0.05	2.5	3.0	9.10	88
71-99H-141-1 Field Duplicate	362142.99	6084076.48	5	3.9	190	9.5	2	9.0	25.0	1.24	1.00	0.5	0.31	42.0	0.05	4.0	3.2	0.25	115
71-99H-141-2 Field Duplicate	362142.99	6084076.48	1	4.0	150	3.8	1	4.0	10.0	0.44	0.50	0.5	0.12	7.5	0.05	1.4	1.2	0.25	25
71-99H-142	361255.11	6081288.51	1	5.1	150	9.3	1	6.0	5.0	0.42	0.50	0.5	0.11	7.5	0.40	1.8	0.1	0.25	25
71-99H-143	362408.96	6082666.92	1	4.3	200	11.5	4	7.0	30.0	1.44	0.50	0.5	0.16	26.0	0.40	4.1	5.5	2.80	25
71-99H-144	365789.89	6083994.83	1	0.3	120	8.0	4	6.0	10.0	0.52	0.50	2.0	0.11	7.5	0.05	1.8	2.4	0.25	25
71-99H-145	365012.13	6082425.90	1	1.9	170	18.3	3	4.0	12.0	0.61	3.00	2.0	0.46	7.5	0.20	2.4	2.2	1.70	25
71-99H-146	388300.25	6089844.48	1	0.3	25	25.2	3	5.0	2.5	0.13	0.50	0.5	0.02	7.5	0.05	0.6	0.8	0.25	25
71-99H-147	382347.59	6086399.71	1	2.5	290	6.5	1	5.0	15.0	0.54	0.50	0.5	0.18	7.5	0.30	1.9	1.9	0.25	25
71-99H-148	373091.61	6084449.15	1	3.3	150	6.0	1	5.0	11.0	0.57	0.50	0.5	0.16	7.5	0.05	1.7	2.0	1.20	25
71-99H-149	370525.75	6084197.53	1	3.0	220	10.5	1	5.0	10.0	0.68	1.00	0.5	0.39	25.0	0.30	2.8	2.8	1.70	77
71-99H-150	378340.48	6088920.71	1	2.9	150	13.5	4	4.0	6.0	0.47	1.00	0.5	0.25	7.5	0.05	2.1	2.0	0.25	25
71-99H-151	379171.14	6087918.37	1	1.6	210	19.6	5	5.0	19.0	0.83	2.00	1.0	0.39	7.5	0.20	3.2	3.4	1.90	25
71-99H-152	375414.93	6088856.96	1	2.1	120	20.3	6	3.0	2.5	0.20	0.50	0.5	0.04	7.5	0.05	0.7	0.9	5.70	25
71-99H-153	375984.68	6087777.88	1	2.4	160	9.4	5	8.0	13.0	1.69	0.50	0.5	0.18	7.5	0.05	3.0	3.8	10.80	25
71-99H-154	376668.36	6087121.26	1	2.5	170	10.8	1	4.0	2.5	0.30	0.50	0.5	0.11	7.5	0.40	1.3	1.5	0.25	75
71-99H-155	375877.60	6086516.58	1	2.9	120	7.4	1	4.0	2.5	0.40	0.50	0.5	0.30	27.0	0.30	1.6	1.5	0.25	25
71-99H-156	373995.52	6086125.05	1	2.8	230	11.5	2	5.0	14.0	0.44	1.00	0.5	0.28	7.5	0.30	1.9	1.5	0.25	79
71-99H-157	372027.71	6087027.04	1	1.0	140	62.4	6	1.0	2.5	0.15	0.50	0.5	0.04	7.5	0.20	0.3	0.7	0.25	25
71-99H-201	371334.99	6079065.23	1	1.5	350	19.7	1	2.0	7.0	0.29	0.50	0.5	0.10	7.5	0.30	1.0	0.1	0.25	61
71-99H-202	370612.18	6078749.88	1	3.7	180	8.8	1	6.0	12.0	0.62	0.50	0.5	0.18	7.5	0.50	2.0	1.1	0.25	25
71-99H-203	369733.49	6079116.31	1	3.0	140	18.3	4	5.0	10.0	0.77	0.50	0.5	0.14	7.5	0.05	3.2	4.8	0.25	25
71-99H-204	368745.75	6078704.52	1	3.5	70	17.8	1	6.0	2.5	0.24	0.50	0.5	0.08	7.5	0.50	0.9	1.0	0.25	72
71-99H-205	367736.72	6078107.25	1	3.3	110	13.1	1	5.0	2.5	0.40	0.50	0.5	0.10	7.5	0.60	2.0	3.2	0.25	66
71-99H-206	366185.42	6077629.58	1	4.2	210	14.1	1	10.0	17.0	1.14	0.50	0.5	0.15	7.5	0.05	4.1	6.2	0.25	25
71-99H-207	370205.14	6080422.95	1	4.5	140	12.2	1	4.0	8.0	0.52	0.50	0.5	0.10	7.5	0.40	1.8	1.3	0.25	25
71-99H-208	365599.84	6076900.47	1	5.3	120	12.4	1	4.0	7.0	0.44	0.50	0.5	0.14	7.5	0.20	1.7	1.5	0.25	25
71-99H-209	367275.47	6079004.52	1	3.3	150	13.4	2	6.0	2.5	0.60	0.50	0.5	0.11	7.5	0.30	2.6	4.4	0.25	25
71-99H-210	367991.68	6079460.20	1	3.9	160	11.8	2	4.0	13.0	0.74	0.50	0.5	0.16	26.0	0.50	2.8	3.7	0.25	25
71-99H-211	368856.57	6080449.74	1	3.8	100	11.9	1	3.0	7.0	0.30	0.50	0.5	0.08	7.5	0.30	0.9	0.6	0.25	53
71-99H-212	367569.80	6080402.33	1	4.7	200	15.1	1	7.0	21.0	1.14	0.50	0.5	0.13	7.5	0.40	3.3	5.0	0.25	25
71-99H-213	365183.13	6079542.10	1	2.5	120	13.0	1	6.0	7.0	0.40	0.50	0.5	0.07	7.5	0.30	1.8	2.0	0.25	25
71-99H-214	360603.87	6076390.98	1	2.6	100	24.9	5	3.0	2.5	0.19	0.50	0.5	0.03	7.5	0.05	0.7	0.8	4.10	25
71-99H-215	360976.40	6074963.41	1	3.2	100	9.2	1	4.0	9.0	0.26	0.50	0.5	0.08	7.5	0.30	0.8	0.1	0.25	25
71-99H-216	360316.32	6077803.64	1	4.0	100	11.3	1	5.0	10.0	0.57	0.50	0.5	0.10	7.5	0.40	2.3	3.6	0.25	25
71-99H-217	359631.41	6079022.59	1	1.7	180	25.7	3	7.0	14.0	0.74	0.50	0.5	0.13	39.0	0.30	2.5	3.0	0.25	123
71-99H-218	363444.79	6074383.10	1	3.8	190	7.3	3	5.0	23.0	1.08	0.50	0.5	0.25	30.0	0.50	3.6	3.5	0.25	25
71-99H-219-1 Field Duplicate	367825.77	6068425.98	4	2.9	220	8.7	2	7.0	24.0	1.24	0.50	0.5	0.17	38.0	0.20	4.5	4.9	0.25	25
71-99H-219-2 Field Duplicate	367825.77	6068425.98	5	2.5	300	7.9	2	7.0	28.0	1.64	0.50	0.5	0.19	42.0	0.30	4.9	5.1	0.25	25
71-99H-220	368431.98	6067452.60	1	0.3	130	7.5	1	5.0	9.0	0.18	0.50	0.5	0.08	7.5	0.30	0.8	0.6	0.25	25
71-99H-221	360246.41	6081552.52	1	3.2	120	7.7	1	5.0	9.0	0.47	0.50	0.5	0.11	7.5	0.40	1.6	1.5	0.25	25
71-99H-222	356447.39	6083211.54	1	1.5	150	21.5	6	5.0	10.0	0.49	0.50	2.0	0.10	7.5	0.05	2.1	4.1	3.40	25
71-99H-223	355505.67	6083205.01	1	1.5	25	8.5	1	4.0	6.0	0.21	0.50	0.5	0.06	7.5	0.30	0.8	0.4	0.25	58
71-99H-224	350117.78	6081716.84	1	0.3	120	7.2	1	4.0	7.0	0.33	0.50	0.5	0.11	31.0	0.40	1.3	1.5	0.25	25
71-99H-225-1 Field Duplicate	350702.40	6083206.61	1	2.1	160	27.9	4	5.0	19.0	0.90	0.50	0.5	0.12	7.5	0.05	3.0	4.7	1.90	25
71-99H-225-2 Field Duplicate	350702.40	6083206.61	1	1.7	25	18.0	4	3.0	2.5	0.10	0.50	0.5	0.02	7.5	0.05	0.2	0.3	1.20	63

Sample Site	UTM		Au	As	Ba	Br	Ca	Co	Cr	Fe	Hf	Mo	Na	Rb	Sb	Sc	Th	U	Zn
	Easting	Northing	ppb	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
71-99H-226	354277.47	6083205.79	1	0.3	89	6.4	1	5.0	2.5	0.20	0.50	0.5	0.09	7.5	0.20	0.8	0.5	0.25	56
71-99H-227	355381.59	6075600.60	1	1.5	170	8.1	1	5.0	2.5	0.27	1.00	0.5	0.12	7.5	0.30	1.2	0.1	0.25	63
71-99H-228	353986.25	6074843.74	1	0.3	170	10.6	1	6.0	18.0	0.96	0.50	0.5	0.11	7.5	0.30	2.9	3.2	0.25	60
71-99H-229	353511.14	6076295.59	1	2.6	230	14.2	3	7.0	25.0	1.27	1.00	0.5	0.25	22.0	0.30	3.9	4.6	3.30	25
71-99H-230-1 Field Duplicate	355405.44	6076684.24	1	4.3	120	10.6	1	5.0	7.0	0.24	0.50	0.5	0.06	7.5	0.30	0.7	0.6	0.25	91
71-99H-230-2 Field Duplicate	355405.44	6076684.24	1	3.0	180	11.1	1	5.0	10.0	0.46	0.50	0.5	0.13	7.5	0.30	1.9	1.6	0.25	25
71-99H-231	352016.78	6076101.86	1	3.3	160	5.2	1	7.0	7.0	0.57	1.00	0.5	0.14	7.5	0.60	2.5	2.4	0.25	25
71-99H-232	353290.64	6078687.59	1	0.3	150	7.9	1	6.0	14.0	0.60	0.50	0.5	0.12	7.5	0.30	2.2	1.7	0.25	25
71-99H-233	353080.39	6072997.78	1	7.5	120	11.3	1	2.0	2.5	0.38	0.50	0.5	0.14	7.5	0.80	1.2	0.1	0.25	73
71-99H-234	352085.67	6071913.45	1	9.7	100	9.0	1	4.0	18.0	0.40	1.00	0.5	0.17	7.5	0.70	1.2	0.1	0.25	25
71-99H-235	352971.33	6071021.91	1	9.0	110	14.1	1	4.0	2.5	0.55	1.00	0.5	0.13	33.0	0.60	1.7	0.1	0.25	25
71-99H-236	375222.72	6068829.48	1	4.4	120	20.6	1	2.0	2.5	0.36	0.50	0.5	0.14	7.5	0.30	1.3	1.2	0.25	25
71-99H-237	373322.15	6067669.32	1	8.7	280	11.2	1	4.0	20.0	0.96	0.50	0.5	0.23	36.0	0.50	3.0	2.3	0.25	25
71-99H-238	372452.18	6069244.38	1	15.1	250	10.6	1	4.0	11.0	0.44	0.50	1.0	0.11	7.5	0.50	1.3	0.1	0.25	25
71-99H-239	368922.50	6069508.74	1	9.3	130	9.4	1	3.0	9.0	0.50	0.50	0.5	0.12	30.0	0.30	1.7	1.6	0.25	80
71-99H-240	370909.02	6070515.51	1	9.3	190	17.6	4	3.0	15.0	0.81	1.00	0.5	0.18	7.5	0.50	3.1	4.4	4.10	25
71-99H-241	372758.61	6071129.61	1	7.3	160	9.4	1	3.0	12.0	0.75	2.00	0.5	0.29	7.5	0.05	2.3	1.5	0.25	83
71-99H-242	370633.94	6066046.81	1	7.1	150	17.8	1	5.0	14.0	0.50	1.00	0.5	0.37	7.5	0.05	2.5	0.1	2.10	25
71-99H-243	373883.08	6066058.33	1	7.9	100	16.7	2	4.0	12.0	0.60	1.00	0.5	0.18	7.5	0.50	2.1	1.8	0.25	67
71-99H-244	374717.33	6075559.23	1	4.9	100	13.8	3	3.0	2.5	0.63	1.00	0.5	0.12	7.5	0.50	1.8	1.8	0.25	62
71-99H-245	373013.86	6074903.92	1	7.2	90	9.0	1	3.0	2.5	0.38	0.50	0.5	0.11	7.5	0.40	1.2	0.7	0.25	25
71-99H-246	375209.93	6072610.07	1	13.9	25	10.6	1	2.0	9.0	0.33	0.50	0.5	0.01	7.5	0.70	1.0	0.3	0.25	25
71-99H-247	367223.27	6077159.70	1	9.3	220	10.6	1	4.0	16.0	0.96	0.50	0.5	0.16	26.0	0.50	3.1	3.3	1.10	25
71-99H-248-1 Field Duplicate	363998.87	6080166.06	1	8.4	110	15.0	1	3.0	11.0	0.54	0.50	0.5	0.19	7.5	0.50	1.9	2.0	0.25	25
71-99H-248-2 Field Duplicate	363998.87	6080166.06	1	7.7	100	17.8	2	2.0	8.0	0.50	0.50	0.5	0.14	7.5	0.40	1.6	1.0	0.25	57
71-99H-249	366434.90	6080165.02	1	7.8	200	9.0	1	3.0	9.0	0.48	0.50	0.5	0.17	7.5	0.60	1.8	1.2	0.25	25
71-99H-250	365625.09	6080983.27	3	11.6	100	9.4	2	3.0	2.5	0.40	0.50	0.5	0.08	7.5	0.30	1.5	1.5	0.90	25
71-99H-251	369454.61	6077674.80	1	11.4	96	13.7	1	2.0	2.5	0.33	0.50	0.5	0.09	7.5	0.60	1.2	0.9	0.25	25
71-99H-252	370212.70	6077226.07	1	6.9	80	8.9	1	2.0	2.5	0.27	0.50	0.5	0.09	7.5	0.50	0.9	0.9	0.25	87
71-99H-253	369727.62	6076391.19	1	6.6	240	8.2	1	3.0	8.0	0.40	0.50	0.5	0.11	18.0	0.30	1.4	1.2	0.25	25
71-99H-254	369294.01	6075027.52	1	5.7	230	17.5	4	9.0	14.0	1.24	1.00	2.0	0.17	29.0	0.60	5.8	8.4	0.25	25
71-99H-255	369082.74	6074188.19	1	5.1	150	11.1	1	4.0	11.0	0.81	1.00	6.0	0.20	25.0	0.70	3.3	3.3	0.25	25
71-99H-256	372073.59	6075860.94	1	4.6	140	11.4	1	2.0	14.0	0.54	0.50	0.5	0.19	7.5	0.60	2.1	1.9	0.25	25
71-99H-257	370578.92	6075052.05	1	6.0	150	14.6	1	2.0	9.0	0.36	0.50	0.5	0.12	24.0	0.40	1.2	0.8	0.25	51
71-99H-258	368572.08	6072950.08	1	7.7	160	9.3	1	2.0	11.0	0.46	0.50	0.5	0.15	7.5	0.60	1.8	1.5	0.25	85
71-99H-259	367901.42	6074827.37	1	7.9	110	8.6	1	2.0	9.0	0.55	0.50	0.5	0.15	7.5	0.40	1.9	1.8	0.25	25
71-99H-260	359223.52	6069883.78	1	8.8	150	8.7	1	2.0	9.0	0.36	0.50	0.5	0.10	27.0	0.40	1.1	0.8	0.25	68
71-99H-261	360063.93	6069315.74	5	5.0	170	22.0	6	4.0	15.0	0.64	1.00	0.5	0.24	7.5	0.30	2.2	2.9	1.40	25
71-99H-262	355969.59	6070935.17	1	7.1	100	20.7	5	2.0	13.0	0.42	0.50	3.0	0.13	21.0	0.20	1.4	1.6	1.70	25
71-99H-263	357994.39	6070646.49	1	5.8	210	18.8	3	6.0	41.0	1.89	2.00	0.5	0.23	46.0	0.20	5.5	6.3	1.40	25
71-99H-264	360989.77	6069149.40	1	4.4	150	11.3	2	3.0	14.0	0.59	0.50	0.5	0.19	7.5	0.30	2.2	1.9	0.25	25
71-99H-265	361329.67	6072980.83	1	5.3	180	18.2	1	2.0	10.0	0.40	1.00	0.5	0.13	18.0	0.50	1.4	1.1	0.25	25
71-99H-266	363559.03	6071022.97	1	4.9	260	10.4	3	3.0	16.0	0.82	2.00	0.5	0.30	7.5	0.50	2.8	2.5	0.25	25
71-99H-267	377020.28	6069882.33	1	3.1	150	6.8	1	2.0	7.0	0.39	0.50	5.0	0.12	7.5	0.50	1.6	1.4	0.25	71
71-99H-268	379044.14	6070599.95	2	5.0	150	12.4	2	2.0	11.0	0.37	1.00	0.5	0.17	7.5	0.30	1.4	1.0	0.25	25
71-99H-269	376364.81	6071760.41	1	6.1	80	8.5	1	1.0	8.0	0.29	0.50	0.5	0.12	19.0	0.20	1.0	0.8	0.25	25
71-99H-270	377781.24	6066042.44	1	5.1	170	19.6	3	3.0	21.0	1.18	1.00	0.5	0.12	30.0	0.30	3.3	3.4	1.90	79
71-99H-271	383858.83	6067703.50	9	6.9	140	10.2	1	2.0	16.0	0.39	1.00	0.5	0.18	7.5	0.50	1.5	1.0	0.25	121
71-99H-272	384102.61	6068885.27	1	6.5	70	14.2	1	2.0	36.0	0.34	0.50	0.5	0.09	7.5	0.30	1.0	0.9	0.25	130

Sample Site	UTM		Au	As	Ba	Br	Ca	Co	Cr	Fe	Hf	Mo	Na	Rb	Sb	Sc	Th	U	Zn
	Easting	Northing	pb	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
71-99H-273	380547.15	6070612.20	1	8.0	70	13.5	1	2.0	35.0	0.33	0.50	0.5	0.09	7.5	0.40	1.0	0.7	0.25	25
71-99H-274	382955.22	6071800.72	1	6.4	180	14.6	3	3.0	21.0	0.40	0.50	4.0	0.12	7.5	0.30	1.5	1.3	0.25	25
71-99H-275	381967.41	6070087.68	1	4.4	150	15.0	4	2.0	19.0	0.38	0.50	0.5	0.08	7.5	0.30	1.3	1.3	0.25	76
71-99H-276-1 Field Duplicate	385148.66	6077248.38	1	4.8	120	11.5	1	2.0	10.0	0.44	0.50	0.5	0.15	22.0	0.40	1.4	0.9	0.25	63
71-99H-276-2 Field Duplicate	385148.66	6077248.38	3	4.1	140	15.2	1	3.0	7.0	0.40	0.50	0.5	0.18	22.0	0.40	1.5	1.1	0.25	56
71-99H-277	386690.16	6081682.14	1	3.5	90	18.6	4	3.0	11.0	0.49	0.50	0.5	0.11	7.5	0.30	1.6	1.6	1.90	25
71-99H-278	388023.91	6080577.61	1	3.1	180	34.1	6	2.0	14.0	0.51	0.50	8.0	0.13	24.0	0.20	1.8	2.5	11.90	25
71-99H-279	376310.70	6077007.87	1	6.3	110	9.9	1	3.0	11.0	0.50	1.00	4.0	0.14	7.5	0.40	1.9	1.7	0.25	53
71-99H-280	384159.38	6073682.24	1	5.5	90	25.9	6	2.0	5.0	0.30	0.50	0.5	0.08	7.5	0.60	1.1	1.0	0.25	25
71-99H-281	379124.40	6067728.11	1	10.3	130	13.7	4	6.0	25.0	1.06	2.00	0.5	0.38	7.5	0.30	3.4	3.6	0.70	25
71-99H-282	382727.20	6079909.30	1	9.4	210	12.7	1	5.0	21.0	1.19	1.00	0.5	0.19	34.0	0.40	3.7	4.3	0.25	25
71-99H-283	382282.71	6077714.41	4	5.1	180	12.4	2	3.0	19.0	0.62	3.00	0.5	0.37	23.0	0.60	2.7	2.3	0.25	25
71-99H-284	383840.14	6075865.88	1	6.6	72	15.9	4	2.0	5.0	0.38	0.50	0.5	0.07	7.5	0.40	0.9	0.8	0.25	25
71-99H-285	382958.94	6074543.38	1	6.8	230	18.5	3	4.0	20.0	0.99	1.00	5.0	0.31	27.0	0.50	3.1	3.7	3.80	25
71-99H-286	385475.05	6074190.49	1	5.0	91	18.8	5	2.0	9.0	0.37	0.50	1.0	0.17	7.5	0.30	1.3	1.8	1.00	25
71-99H-287	385938.09	6072538.35	1	7.0	85	15.2	1	2.0	2.5	0.31	0.50	0.5	0.14	7.5	0.50	1.1	1.0	0.80	25
71-99H-288	384706.93	6071638.97	1	4.9	260	25.7	5	5.0	34.0	1.34	2.00	4.0	0.43	37.0	0.20	5.1	5.7	3.10	53
71-99H-289	384447.42	6070035.32	1	5.4	270	9.0	2	6.0	25.0	1.32	2.00	0.5	0.28	33.0	0.40	4.2	5.1	1.40	25
71-99H-290	385875.21	6070091.77	1	9.3	120	13.9	4	4.0	23.0	1.06	1.00	0.5	0.16	34.0	0.50	3.1	3.6	2.10	25
71-99H-291	386749.94	6071142.51	1	10.4	100	16.7	2	2.0	13.0	0.63	0.50	0.5	0.06	7.5	0.40	1.9	2.4	0.80	25
71-99H-292-1 Field Duplicate	372658.22	6079359.51	1	4.2	110	8.7	1	2.0	11.0	0.33	0.50	4.0	0.10	7.5	0.60	1.2	0.8	0.25	25
71-99H-292-2 Field Duplicate	372658.22	6079359.51	1	5.7	150	12.2	1	1.0	9.0	0.30	0.50	4.0	0.10	7.5	0.60	1.2	0.7	0.25	25
71-99H-293	373332.21	6078856.12	1	3.6	190	12.0	2	2.0	8.0	0.61	0.50	0.5	0.12	7.5	0.40	1.9	2.3	0.25	25
71-99H-294	374312.89	6078921.40	1	7.4	200	11.6	1	1.0	2.5	0.26	0.50	0.5	0.09	20.0	0.50	1.1	0.9	0.25	25
71-99H-295	375182.62	6078624.03	1	6.3	92	9.6	2	2.0	5.0	0.41	0.50	0.5	0.13	17.0	0.50	1.5	1.2	0.25	25
71-99H-296	376386.81	6078570.83	1	4.7	130	10.8	3	3.0	10.0	0.39	0.50	0.5	0.15	7.5	0.30	1.7	2.0	0.25	25
71-99H-297	377606.00	6078057.09	1	4.6	160	9.2	4	4.0	19.0	0.73	2.00	0.5	0.44	32.0	0.30	2.8	2.9	0.90	25
71-99H-298	377794.68	6079094.31	1	5.7	360	20.3	4	6.0	25.0	1.20	2.00	0.5	0.30	40.0	0.30	4.4	5.7	1.30	66
71-99H-299	377733.77	6080049.38	1	7.9	160	17.8	1	2.0	14.0	0.47	0.50	0.5	0.17	7.5	0.60	1.8	1.5	0.25	83
71-99H-300	383601.49	6081754.27	1	5.7	190	14.4	1	5.0	13.0	0.81	0.50	0.5	0.16	23.0	0.10	2.8	2.8	0.25	25
71-99H-301	382264.75	6081807.41	1	7.8	220	6.5	1	1.0	6.0	0.31	0.50	0.5	0.11	7.5	0.40	1.2	0.6	0.25	25
71-99H-302	381825.16	6080640.92	1	4.0	180	21.7	6	3.0	18.0	0.83	2.00	0.5	0.27	7.5	0.05	2.8	3.5	1.50	25
71-99H-303	381419.93	6079292.48	1	3.7	74	10.0	1	2.0	12.0	0.30	0.50	0.5	0.12	7.5	0.10	1.2	0.8	0.25	65
71-99H-304	379828.87	6079816.74	1	8.3	180	11.6	2	5.0	23.0	0.59	1.00	0.5	0.22	7.5	0.50	2.6	1.9	0.25	25
71-99H-305-1 Field Duplicate	373257.01	6080611.99	1	2.9	200	18.7	2	5.0	17.0	0.76	1.00	0.5	0.21	7.5	0.30	3.0	2.6	0.80	62
71-99H-305-2 Field Duplicate	373257.01	6080611.99	1	3.1	310	12.5	2	6.0	21.0	0.81	4.00	0.5	0.82	7.5	0.30	3.7	3.4	1.30	52
71-99H-306	374075.08	6080290.59	1	4.3	210	10.5	1	3.0	9.0	0.59	0.50	0.5	0.16	7.5	0.30	1.8	1.1	0.25	178
71-99H-307	376118.15	6080021.19	1	2.4	260	18.0	1	2.0	11.0	0.47	0.50	0.5	0.20	22.0	0.40	1.8	1.2	0.25	62
71-99H-308	378593.33	6079122.68	1	2.7	130	4.2	1	2.0	7.0	0.25	0.50	0.5	0.07	7.5	0.20	0.8	0.1	0.25	25
71-99H-310	378075.60	6081454.42	1	3.8	110	10.5	2	2.0	2.5	0.28	0.50	0.5	0.08	7.5	0.20	1.1	0.7	0.25	25
71-99H-311	375825.45	6081477.33	1	5.5	90	8.4	2	4.0	16.0	0.70	1.00	0.5	0.24	7.5	0.30	2.5	2.5	0.25	25
71-99H-312	374729.14	6081514.74	1	8.1	25	20.1	4	3.0	5.0	0.55	0.50	5.0	0.11	7.5	0.40	2.0	3.7	3.70	25
71-99H-313	373003.62	6081431.03	1	8.0	230	15.9	2	4.0	8.0	0.70	1.00	0.5	0.23	24.0	0.50	2.6	2.7	0.25	25
71-99H-314-1 Field Duplicate	380441.27	6077362.52	1	6.0	180	13.2	1	2.0	2.5	0.34	0.50	0.5	0.16	7.5	0.30	1.1	0.3	0.25	105
71-99H-314-2 Field Duplicate	380441.27	6077362.52	1	5.6	25	16.0	1	2.0	2.5	0.34	0.50	0.5	0.15	7.5	0.20	1.1	0.4	0.25	111
71-99H-315	379424.91	6076667.36	1	2.8	25	30.1	5	5.0	23.0	1.32	1.00	2.0	0.12	24.0	0.30	3.7	5.8	1.00	25
71-99H-316	378083.67	6075976.30	1	5.7	92	16.0	3	1.0	2.5	0.27	0.50	0.5	0.05	7.5	0.20	0.7	0.6	1.80	25
71-99H-317	378975.05	6075002.82	1	2.9	110	33.4	5	3.0	7.0	0.62	1.00	0.5	0.20	7.5	0.05	1.5	1.9	0.25	25
71-99H-318	374081.75	6076384.00	1	3.8	97	12.1	2	2.0	11.0	0.48	0.50	0.5	0.09	7.5	0.30	1.7	2.2	0.25	51

Sample Site	UTM		Au	As	Ba	Br	Ca	Co	Cr	Fe	Hf	Mo	Na	Rb	Sb	Sc	Th	U	Zn
	Easting	Northing	pb	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
71-99H-319	377992.28	6071532.08	1	3.4	25	8.7	1	2.0	6.0	0.40	1.00	3.0	0.14	7.5	0.30	1.4	1.4	0.25	25
71-99H-320	378032.77	6073502.62	1	2.3	200	29.4	4	2.0	18.0	0.95	2.00	3.0	0.27	22.0	0.10	3.6	4.1	1.40	25
71-99H-321	376343.39	6073660.05	1	10.0	100	66.4	3	2.0	7.0	0.68	0.50	0.5	0.06	7.5	0.20	1.0	1.3	0.25	25
71-99H-322	376788.52	6076148.06	1	7.7	120	12.1	2	3.0	8.0	0.47	0.50	1.0	0.10	7.5	0.40	1.5	1.0	1.80	66
71-99H-323	374135.50	6077562.68	1	7.4	200	36.5	5	3.0	10.0	0.55	0.50	0.5	0.07	7.5	0.20	1.5	1.9	1.10	57
71-99H-324	371909.21	6077077.66	1	10.1	25	11.9	1	2.0	6.0	0.30	0.50	0.5	0.07	7.5	0.30	0.9	0.1	0.25	25
71-99H-326	367010.80	6076322.95	1	6.9	280	15.0	3	8.0	47.0	2.56	2.00	0.5	0.20	58.0	0.30	6.8	9.2	5.60	96
71-99H-327	365544.89	6075097.76	3	4.2	170	12.6	5	4.0	21.0	1.24	0.50	0.5	0.16	33.0	0.30	3.6	4.6	2.30	25
71-99H-328	366630.37	6073449.41	1	4.0	230	19.6	4	4.0	18.0	1.04	0.50	0.5	0.15	29.0	0.20	3.2	4.3	1.70	25
71-99H-329-1 Field Duplicate	373524.62	6072776.30	1	4.5	130	15.4	3	3.0	18.0	0.89	1.00	0.5	0.22	25.0	0.20	2.7	3.0	2.10	59
71-99H-329-2 Field Duplicate	373524.62	6072776.30	1	4.3	110	8.9	1	2.0	8.0	0.43	0.50	0.5	0.11	18.0	0.40	1.4	1.1	0.80	25
71-99H-330	373090.65	6073609.38	1	5.6	96	44.9	5	2.0	2.5	0.22	0.50	0.5	0.04	7.5	0.30	0.8	1.1	0.25	25
71-99H-331	372325.83	6073335.34	1	4.6	100	8.5	2	3.0	9.0	0.46	0.50	0.5	0.10	25.0	0.40	1.7	1.6	0.70	25
71-99H-332	371343.79	6071847.26	1	5.4	25	10.0	3	2.0	6.0	0.40	0.50	0.5	0.09	7.5	0.40	1.3	1.0	0.25	25
71-99H-333	356400.44	6074585.89	1	8.9	90	16.5	1	3.0	8.0	0.35	0.50	0.5	0.10	7.5	0.40	1.3	0.8	0.25	25
71-99H-334	353630.41	6074080.73	1	5.7	110	11.9	3	2.0	10.0	0.36	0.50	0.5	0.16	7.5	0.40	1.4	1.4	0.60	25
71-99H-335	354026.13	6072263.97	1	8.2	200	16.0	3	6.0	28.0	1.55	1.00	0.5	0.20	35.0	0.40	4.3	5.4	1.30	25
71-99H-336	356175.52	6073162.11	1	6.2	180	26.2	3	4.0	23.0	1.41	1.00	2.0	0.15	26.0	0.40	4.3	6.4	1.70	25
71-99H-337	358516.43	6071531.39	1	4.9	25	13.5	1	2.0	9.0	0.42	0.50	0.5	0.11	7.5	0.50	1.5	1.5	0.25	25
71-99H-338	358097.38	6073183.12	1	4.4	140	13.8	3	2.0	8.0	0.35	0.50	0.5	0.12	7.5	0.50	1.4	1.0	0.90	25
71-99H-339	358101.16	6077722.60	1	4.8	25	13.9	2	3.0	10.0	0.69	0.50	0.5	0.16	22.0	0.30	2.3	2.6	0.25	67
71-99H-340	360792.23	6079576.49	1	6.2	25	12.7	2	4.0	15.0	0.84	1.00	0.5	0.14	7.5	0.30	3.2	3.8	1.20	25
71-99H-341	363366.15	6079087.77	1	6.0	25	17.1	1	2.0	2.5	0.22	0.50	0.5	0.08	7.5	0.40	0.8	0.7	0.25	25
71-99H-342	361709.41	6079470.25	1	4.7	25	22.7	1	1.0	2.5	0.21	0.50	0.5	0.06	7.5	0.50	0.8	0.3	0.25	56
71-99H-343	365228.31	6078367.51	1	6.8	140	14.8	3	3.0	10.0	0.66	0.50	0.5	0.16	7.5	0.50	2.3	2.4	0.25	25
71-99H-344	364266.45	6076224.84	1	8.6	25	18.3	1	2.0	2.5	0.23	0.50	0.5	0.08	7.5	0.05	0.8	0.6	0.25	25
71-99H-345	362453.17	6075416.23	1	9.9	25	13.9	1	3.0	8.0	0.42	0.50	0.5	0.16	26.0	0.40	1.8	1.6	0.25	25
71-99H-346	363508.62	6077282.57	1	6.6	75	12.0	3	3.0	6.0	0.32	0.50	0.5	0.11	23.0	0.30	1.3	0.8	0.25	25
71-99H-347	390123.06	6073013.81	1	6.2	87	18.9	3	1.0	5.0	0.35	0.50	0.5	0.10	15.0	0.50	1.2	0.8	0.25	25
71-99H-348	386609.32	6076034.47	1	4.6	90	12.2	3	3.0	6.0	0.41	0.50	0.5	0.17	7.5	0.30	1.4	0.9	0.25	25
71-99H-349	394290.85	6073197.89	1	3.7	150	14.2	1	4.0	15.0	0.73	0.50	5.0	0.17	20.0	0.30	2.9	2.9	0.25	25
71-99H-350	381237.22	6069551.39	1	5.5	80	13.4	1	3.0	9.0	0.55	0.50	0.5	0.15	7.5	0.30	1.7	0.9	0.25	72
71-99H-351	377332.39	6064774.37	1	5.3	100	13.2	2	3.0	13.0	0.52	0.50	0.5	0.14	7.5	0.30	2.3	2.2	0.25	25

Sample Site	La	Ce	Nd	Sm	Eu	Yb	Lu	TREE
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
71-99H-1	10	14	2.5	1.30	0.3	0.4	0.060	28
71-99H-2	11	18	8.0	1.20	0.3	0.5	0.070	39
71-99H-3	12	19	9.0	1.60	0.4	0.7	0.110	43
71-99H-4	20	36	5.0	2.10	0.4	0.5	0.070	64
71-99H-5	7	13	2.5	0.90	0.1	0.4	0.060	24
71-99H-6	9	13	2.5	1.20	0.3	0.3	0.050	27
71-99H-7	2	2	2.5	0.20	0.1	0.1	0.050	6
71-99H-8	15	30	10.0	1.80	0.4	0.7	0.150	58
71-99H-9	27	48	13.0	3.00	0.6	0.7	0.110	92
71-99H-10	15	24	8.0	2.00	0.6	1.0	0.170	51
71-99H-11	9	12	2.5	1.00	0.1	0.5	0.070	25
71-99H-12	3	6	2.5	0.40	0.2	0.1	0.050	12
71-99H-13	11	19	9.0	1.20	0.3	0.4	0.060	41
71-99H-14	10	11	9.0	1.10	0.3	0.4	0.060	32
71-99H-15	13	20	9.0	1.40	0.3	0.7	0.120	45
71-99H-16	10	18	2.5	1.30	0.1	0.6	0.140	33
71-99H-17	8	14	2.5	0.90	0.1	0.5	0.070	26
71-99H-18	2	4	2.5	0.20	0.1	0.1	0.050	9
71-99H-19	11	18	2.5	1.00	0.1	0.4	0.050	33
71-99H-20	11	18	2.5	1.40	0.4	0.5	0.050	34
71-99H-21-1 Field Duplicate	4	6	2.5	0.50	0.1	0.1	0.050	13
71-99H-21-2 Field Duplicate	6	10	2.5	0.70	0.1	0.1	0.050	20
71-99H-22	6	14	2.5	0.80	0.1	0.3	0.050	24
71-99H-23	5	9	2.5	0.70	0.1	0.1	0.050	18
71-99H-24	35	63	21.0	4.00	0.5	0.1	0.050	123
71-99H-25	4	7	2.5	0.50	0.1	0.1	0.050	15
71-99H-26	16	25	7.0	1.70	0.3	0.4	0.060	50
71-99H-27	20	18	8.0	2.10	0.3	0.6	0.080	49
71-99H-28	8	13	8.0	0.90	0.1	0.4	0.060	30
71-99H-29	4	5	2.5	0.60	0.1	0.4	0.060	12
71-99H-30	5	8	7.0	0.60	0.1	0.3	0.050	21
71-99H-31	4	2	2.5	0.40	0.1	0.1	0.050	8
71-99H-32	12	18	6.0	1.60	0.4	0.9	0.150	39
71-99H-33	5	8	2.5	0.70	0.1	0.2	0.050	16
71-99H-34	7	11	2.5	0.80	0.2	0.4	0.060	22
71-99H-35	6	10	2.5	0.70	0.1	0.3	0.050	20
71-99H-36	7	11	2.5	0.90	0.1	0.5	0.070	22
71-99H-37	1	2	2.5	0.05	0.1	0.1	0.050	5
71-99H-38	3	8	2.5	0.40	0.1	0.2	0.050	15
71-99H-39	5	9	2.5	0.70	0.1	0.4	0.060	18
71-99H-40	21	27	15.0	2.50	0.4	0.9	0.130	67
71-99H-41-1 Field Duplicate	17	24	9.0	1.90	0.3	0.6	0.080	53
71-99H-41-2 Field Duplicate	15	24	2.5	1.60	0.3	0.4	0.060	43

Sample Site	La	Ce	Nd	Sm	Eu	Yb	Lu	TREE
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
71-99H-42	27	35	15.0	2.80	0.4	0.6	0.090	81
71-99H-43	15	24	8.0	1.50	0.4	0.5	0.100	49
71-99H-44	19	27	12.0	2.20	0.3	0.6	0.090	61
71-99H-45	5	7	2.5	0.60	0.1	0.1	0.050	15
71-99H-46	17	28	10.0	2.20	0.3	1.1	0.140	59
71-99H-47	4	8	2.5	0.40	0.1	0.3	0.050	15
71-99H-48	25	46	8.0	2.40	0.4	0.6	0.090	82
71-99H-49	5	10	2.5	0.60	0.1	0.4	0.060	18
71-99H-50	12	20	2.5	1.40	0.2	0.5	0.050	36
71-99H-51	13	20	10.0	1.90	0.4	0.5	0.070	45
71-99H-52	6	8	2.5	0.80	0.1	0.3	0.050	17
71-99H-53	9	15	2.5	1.30	0.1	0.5	0.070	29
71-99H-54	13	26	7.0	1.50	0.3	0.5	0.090	48
71-99H-55	7	10	2.5	0.80	0.1	0.1	0.050	20
71-99H-56	0	2	2.5	0.30	0.1	0.1	0.050	5
71-99H-57	16	24	9.0	1.80	0.3	0.8	0.100	52
71-99H-58	5	11	6.0	0.70	0.1	0.1	0.050	23
71-99H-59	20	32	13.0	2.50	0.6	0.9	0.140	69
71-99H-60	2	2	2.5	0.30	0.1	0.1	0.050	6
71-99H-61	4	7	2.5	0.40	0.1	0.3	0.050	14
71-99H-62	6	7	2.5	0.50	0.1	0.4	0.070	17
71-99H-63	15	23	2.5	1.90	0.3	0.5	0.090	43
71-99H-64	19	23	8.0	2.00	0.1	0.6	0.090	52
71-99H-65	5	11	2.5	0.70	0.2	0.5	0.070	20
71-99H-66	2	11	2.5	0.40	0.1	0.1	0.025	16
71-99H-67	21	28	2.5	2.50	0.4	0.1	0.025	55
71-99H-68	29	49	26.0	3.80	0.7	0.9	0.150	110
71-99H-69	25	46	2.5	3.70	0.9	0.8	0.150	79
71-99H-70-1 Field Duplicate	13	2	2.5	1.60	0.5	0.1	0.025	19
71-99H-70-2 Field Duplicate	19	20	12.0	2.60	1.0	0.1	0.025	55
71-99H-71	4	2	13.0	0.60	0.3	0.3	0.025	19
71-99H-72	11	22	2.5	1.50	0.1	0.5	0.025	37
71-99H-73	10	19	10.0	1.40	0.6	0.1	0.025	41
71-99H-74	15	25	2.5	2.00	0.1	0.6	0.025	45
71-99H-75	6	13	15.0	0.90	0.4	0.1	0.025	36
71-99H-76	2	9	2.5	0.30	0.1	0.1	0.025	14
71-99H-77	5	12	2.5	0.70	0.5	0.4	0.025	21
71-99H-78	4	9	2.5	0.70	0.4	0.1	0.080	16
71-99H-79	5	10	2.5	0.70	0.4	0.1	0.025	18
71-99H-80	11	22	6.0	1.60	0.6	0.6	0.025	42
71-99H-81	10	19	2.5	1.60	0.4	0.6	0.110	34
71-99H-82-1 Field Duplicate	5	10	2.5	0.60	0.4	0.1	0.025	19
71-99H-82-2 Field Duplicate	6	10	2.5	0.70	0.4	0.4	0.060	20
71-99H-83	11	23	12.0	1.70	0.4	0.7	0.110	49
71-99H-84	3	8	2.5	0.40	0.1	0.1	0.025	14
71-99H-85	10	20	7.0	1.60	0.4	0.5	0.090	39
71-99H-86	8	13	6.0	1.00	0.4	0.4	0.060	29
71-99H-87	31	70	20.0	4.50	0.8	0.7	0.140	127
71-99H-88	8	15	2.5	1.00	0.4	0.1	0.050	27

Sample Site	La	Ce	Nd	Sm	Eu	Yb	Lu	TREE
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
71-99H-89	7	15	8.0	1.10	0.4	0.4	0.060	32
71-99H-90	3	7	2.5	0.50	0.1	0.3	0.050	14
71-99H-91	3	8	2.5	0.50	0.1	0.1	0.050	14
71-99H-92	1	2	2.5	0.30	0.1	0.1	0.050	6
71-99H-93	6	8	2.5	1.00	0.4	0.1	0.050	18
71-99H-94	9	19	16.0	1.40	0.4	0.6	0.060	47
71-99H-95	12	25	2.5	1.80	0.5	0.7	0.120	43
71-99H-96	4	9	2.5	0.50	0.1	0.3	0.050	16
71-99H-97	6	18	2.5	0.80	0.1	0.3	0.050	28
71-99H-98	11	18	2.5	1.50	0.1	0.4	0.070	34
71-99H-99	9	20	2.5	1.30	0.1	0.3	0.050	33
71-99H-100	7	9	6.0	1.00	0.4	0.5	0.080	24
71-99H-101-1 Field Duplicate	11	22	6.0	1.50	0.4	0.6	0.100	42
71-99H-101-2 Field Duplicate	3	5	2.5	0.50	0.3	0.1	0.050	12
71-99H-102	6	9	2.5	0.80	0.2	0.3	0.050	18
71-99H-103	10	19	7.0	1.20	0.1	0.3	0.050	38
71-99H-104	9	15	2.5	1.20	0.1	0.1	0.050	28
71-99H-105	9	13	2.5	1.20	0.3	0.4	0.060	26
71-99H-106	11	17	9.0	1.60	0.1	0.4	0.060	40
71-99H-107	3	2	2.5	0.50	0.1	0.1	0.050	8
71-99H-108	9	14	7.0	1.20	0.3	0.3	0.050	32
71-99H-109	15	24	10.0	2.10	0.5	0.3	0.050	52
71-99H-110	46	53	25.0	5.10	0.9	0.8	0.150	130
71-99H-111	7	12	6.0	1.20	0.3	0.6	0.090	27
71-99H-112	4	2	2.5	0.50	0.1	0.2	0.050	9
71-99H-113	1	2	2.5	0.20	0.1	0.1	0.050	6
71-99H-114	4	6	2.5	0.60	0.1	0.2	0.050	14
71-99H-115	8	11	2.5	1.20	0.1	0.3	0.050	23
71-99H-116	6	8	5.0	0.80	0.1	0.1	0.050	20
71-99H-117	4	5	2.5	0.50	0.1	0.1	0.050	12
71-99H-118	8	14	2.5	1.10	0.4	0.4	0.060	26
71-99H-119	10	21	6.0	1.50	0.3	0.8	0.130	39
71-99H-120	10	24	2.5	1.50	0.3	0.4	0.060	39
71-99H-121	6	13	2.5	0.80	0.3	0.4	0.060	23
71-99H-122	4	2	2.5	0.50	0.3	0.1	0.050	9
71-99H-123	7	14	2.5	0.90	0.3	0.3	0.050	25
71-99H-124-1 Field Duplicate	3	5	2.5	0.50	0.1	0.2	0.050	12
71-99H-124-2 Field Duplicate	2	2	2.5	0.30	0.1	0.1	0.050	6
71-99H-125	11	22	10.0	1.70	0.4	0.5	0.060	46
71-99H-126	7	10	2.5	1.10	0.1	0.3	0.050	21
71-99H-127	5	11	2.5	0.90	0.6	0.4	0.060	21
71-99H-129	3	8	2.5	0.50	0.1	0.1	0.050	14
71-99H-130	1	6	2.5	0.20	0.1	0.1	0.050	10
71-99H-131	25	33	24.0	3.20	0.6	0.7	0.110	86
71-99H-132	21	37	2.5	2.80	0.1	0.8	0.120	64
71-99H-133	5	2	2.5	0.60	0.1	0.1	0.050	9
71-99H-134	15	36	2.5	2.00	0.1	0.5	0.070	56
71-99H-135	4	2	14.0	0.70	0.6	0.1	0.050	21
71-99H-136	5	15	2.5	0.90	0.5	0.3	0.050	24

Sample Site	La	Ce	Nd	Sm	Eu	Yb	Lu	TREE
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
71-99H-137	5	15	2.5	0.80	0.4	0.1	0.050	23
71-99H-138	20	40	2.5	2.80	0.6	0.8	0.120	66
71-99H-139	13	23	12.0	1.80	0.4	0.6	0.090	51
71-99H-140	13	14	11.0	1.70	0.4	0.4	0.060	40
71-99H-141-1 Field Duplicate	13	30	9.0	1.90	0.5	0.7	0.120	55
71-99H-141-2 Field Duplicate	6	12	2.5	0.80	0.1	0.1	0.050	21
71-99H-142	10	13	10.0	1.50	0.3	0.4	0.060	35
71-99H-143	21	35	15.0	2.60	0.6	0.7	0.110	75
71-99H-144	24	23	2.5	2.80	0.5	0.5	0.080	53
71-99H-145	8	15	2.5	1.20	0.4	0.5	0.080	28
71-99H-146	2	2	2.5	0.30	0.1	0.1	0.050	6
71-99H-147	9	21	2.5	1.20	0.3	0.1	0.050	34
71-99H-148	7	12	2.5	1.00	0.2	0.1	0.050	23
71-99H-149	10	17	10.0	1.50	0.4	0.7	0.090	40
71-99H-150	6	14	2.5	1.00	0.3	0.4	0.060	25
71-99H-151	16	23	14.0	2.50	0.6	0.8	0.130	57
71-99H-152	3	5	2.5	0.30	0.1	0.1	0.050	11
71-99H-153	11	20	8.0	1.50	0.5	0.4	0.060	42
71-99H-154	5	5	5.0	0.70	0.4	0.3	0.050	16
71-99H-155	5	9	8.0	0.70	0.2	0.3	0.050	23
71-99H-156	7	11	2.5	1.10	0.1	0.4	0.070	22
71-99H-157	2	7	2.5	0.30	0.1	0.1	0.050	12
71-99H-201	3	6	2.5	0.40	0.3	0.1	0.050	12
71-99H-202	6	9	2.5	0.80	0.3	0.4	0.050	19
71-99H-203	42	51	28.0	5.40	1.1	1.1	0.170	128
71-99H-204	5	6	2.5	0.70	0.1	0.2	0.050	15
71-99H-205	25	36	19.0	3.00	0.6	0.4	0.060	84
71-99H-206	47	105	32.0	6.40	0.9	1.4	0.200	193
71-99H-207	9	16	2.5	1.30	0.3	0.3	0.050	30
71-99H-208	15	25	2.5	1.90	0.5	0.6	0.090	46
71-99H-209	28	46	24.0	3.70	0.8	0.6	0.090	103
71-99H-210	16	29	17.0	2.30	0.6	0.7	0.110	66
71-99H-211	3	4	2.5	0.40	0.1	0.3	0.050	10
71-99H-212	40	70	26.0	5.20	1.0	1.0	0.150	143
71-99H-213	21	35	12.0	2.80	0.7	0.5	0.080	72
71-99H-214	2	3	2.5	0.30	0.1	0.1	0.050	8
71-99H-215	2	9	2.5	0.30	0.1	0.1	0.050	14
71-99H-216	24	35	18.0	3.30	0.6	0.7	0.090	81
71-99H-217	13	22	14.0	1.90	0.4	0.5	0.080	52
71-99H-218	33	39	21.0	4.40	0.8	0.9	0.160	99
71-99H-219-1 Field Duplicate	55	125	46.0	7.40	1.5	1.2	0.180	236
71-99H-219-2 Field Duplicate	54	128	43.0	7.80	1.5	1.1	0.170	236
71-99H-220	2	4	2.5	0.30	0.1	0.1	0.050	9
71-99H-221	5	9	2.5	0.80	0.3	0.3	0.050	18
71-99H-222	11	16	9.0	1.70	0.4	0.4	0.060	38
71-99H-223	2	2	2.5	0.40	0.1	0.2	0.050	7
71-99H-224	4	6	2.5	0.60	0.4	0.1	0.050	14
71-99H-225-1 Field Duplicate	15	19	11.0	2.10	0.6	0.5	0.110	48
71-99H-225-2 Field Duplicate	1	2	2.5	0.05	0.1	0.1	0.050	5

Sample Site	La	Ce	Nd	Sm	Eu	Yb	Lu	TREE
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
71-99H-226	2	2	6.0	0.30	0.1	0.1	0.050	10
71-99H-227	3	8	2.5	0.50	0.2	0.3	0.050	15
71-99H-228	59	100	46.0	7.70	1.6	1.6	0.260	216
71-99H-229	21	32	16.0	2.80	0.6	0.8	0.120	73
71-99H-230-1 Field Duplicate	2	8	2.5	0.40	0.3	0.1	0.050	13
71-99H-230-2 Field Duplicate	5	10	2.5	0.70	0.1	0.3	0.050	18
71-99H-231	7	15	2.5	0.90	0.4	0.1	0.050	26
71-99H-232	10	18	2.5	1.30	0.5	0.1	0.050	32
71-99H-233	3	7	2.5	0.50	0.1	0.1	0.050	14
71-99H-234	4	2	2.5	0.70	0.1	0.1	0.050	9
71-99H-235	4	6	2.5	0.70	0.1	0.1	0.050	14
71-99H-236	4	7	2.5	0.70	0.1	0.1	0.050	14
71-99H-237	8	12	2.5	1.20	0.1	0.4	0.060	24
71-99H-238	3	10	2.5	0.60	0.1	0.1	0.050	17
71-99H-239	5	8	2.5	0.80	0.1	0.3	0.050	17
71-99H-240	14	22	18.0	2.10	0.1	0.5	0.080	57
71-99H-241	9	22	2.5	1.30	0.1	0.6	0.090	35
71-99H-242	6	11	2.5	0.80	0.1	0.4	0.060	20
71-99H-243	9	18	2.5	1.40	0.1	0.4	0.060	32
71-99H-244	18	28	2.5	2.30	0.4	0.5	0.090	52
71-99H-245	3	6	2.5	0.50	0.1	0.1	0.050	13
71-99H-246	3	2	6.0	0.40	0.1	0.1	0.050	11
71-99H-247	34	64	33.0	3.90	0.8	0.9	0.120	137
71-99H-248-1 Field Duplicate	5	11	15.0	0.90	0.1	0.4	0.060	33
71-99H-248-2 Field Duplicate	5	10	12.0	0.90	0.1	0.3	0.050	28
71-99H-249	4	10	2.5	0.70	0.1	0.1	0.050	18
71-99H-250	26	33	22.0	3.20	0.6	0.6	0.120	85
71-99H-251	4	6	2.5	0.70	0.1	0.1	0.050	14
71-99H-252	4	7	2.5	0.60	0.1	0.3	0.050	14
71-99H-253	8	15	2.5	1.00	0.1	0.5	0.050	27
71-99H-254	78	148	67.0	9.90	2.1	2.2	0.330	307
71-99H-255	17	38	21.0	2.20	0.4	0.6	0.080	79
71-99H-256	5	10	2.5	0.70	0.1	0.3	0.050	19
71-99H-257	3	3	9.0	0.60	0.1	0.2	0.050	16
71-99H-258	5	11	2.5	0.80	0.1	0.3	0.050	20
71-99H-259	7	13	7.0	1.00	0.2	0.3	0.050	28
71-99H-260	3	7	2.5	0.50	0.1	0.2	0.050	13
71-99H-261	10	15	7.0	1.40	0.1	0.6	0.090	34
71-99H-262	8	11	2.5	1.20	0.1	0.3	0.050	23
71-99H-263	27	43	15.0	3.00	0.5	0.9	0.130	90
71-99H-264	10	18	8.0	1.40	0.1	0.3	0.050	38
71-99H-265	4	6	2.5	0.60	0.1	0.2	0.050	13
71-99H-266	16	24	11.0	2.10	0.3	0.6	0.090	54
71-99H-267	6	13	2.5	0.90	0.1	0.2	0.050	23
71-99H-268	4	8	2.5	0.60	0.1	0.1	0.050	15
71-99H-269	3	2	7.0	0.40	0.1	0.2	0.050	12
71-99H-270	17	33	9.0	2.00	0.1	0.6	0.090	62
71-99H-271	5	8	2.5	0.80	0.1	0.3	0.050	16
71-99H-272	3	4	2.5	0.40	0.1	0.2	0.050	10

Sample Site	La	Ce	Nd	Sm	Eu	Yb	Lu	TREE
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
71-99H-273	4	6	2.5	0.60	0.1	0.1	0.050	13
71-99H-274	11	21	10.0	1.40	0.2	0.4	0.060	44
71-99H-275	12	19	8.0	1.40	0.3	0.3	0.050	41
71-99H-276-1 Field Duplicate	4	7	2.5	0.60	0.1	0.3	0.050	14
71-99H-276-2 Field Duplicate	4	8	2.5	0.70	0.2	0.1	0.050	16
71-99H-277	6	9	2.5	0.90	0.1	0.3	0.050	19
71-99H-278	7	10	11.0	1.10	0.2	0.3	0.050	29
71-99H-279	17	32	12.0	1.90	0.4	0.5	0.080	64
71-99H-280	3	4	2.5	0.50	0.1	0.1	0.050	10
71-99H-281	17	29	17.0	2.50	0.4	0.7	0.110	66
71-99H-282	40	70	34.0	5.20	1.0	1.1	0.170	151
71-99H-283	7	13	6.0	1.10	0.2	0.6	0.100	28
71-99H-284	3	4	2.5	0.40	0.1	0.1	0.050	10
71-99H-285	12	24	12.0	1.70	0.3	0.6	0.080	51
71-99H-286	6	10	2.5	0.90	0.1	0.3	0.050	20
71-99H-287	4	5	2.5	0.60	0.1	0.1	0.050	12
71-99H-288	26	40	21.0	3.50	0.7	1.0	0.150	93
71-99H-289	34	60	30.0	3.80	0.8	1.0	0.150	130
71-99H-290	11	19	5.0	1.50	0.4	0.5	0.070	38
71-99H-291	14	27	14.0	1.80	0.3	0.4	0.060	57
71-99H-292-1 Field Duplicate	3	6	2.5	0.50	0.1	0.3	0.050	12
71-99H-292-2 Field Duplicate	3	5	2.5	0.50	0.1	0.2	0.050	11
71-99H-293	12	16	11.0	1.50	0.3	0.4	0.060	41
71-99H-294	4	5	2.5	0.60	0.1	0.1	0.050	12
71-99H-295	7	13	9.0	1.10	0.1	0.3	0.050	30
71-99H-296	30	37	19.0	3.30	0.7	0.9	0.120	91
71-99H-297	9	18	10.0	1.40	0.4	0.6	0.090	40
71-99H-298	30	46	21.0	3.50	0.8	1.0	0.150	103
71-99H-299	5	9	2.5	0.80	0.3	0.1	0.050	17
71-99H-300	28	48	22.0	2.80	0.6	0.6	0.080	102
71-99H-301	3	5	2.5	0.50	0.1	0.2	0.050	11
71-99H-302	12	20	6.0	1.80	0.4	0.7	0.110	41
71-99H-303	3	5	2.5	0.40	0.1	0.1	0.050	11
71-99H-304	9	15	2.5	1.50	0.3	0.4	0.060	28
71-99H-305-1 Field Duplicate	9	19	6.0	1.50	0.3	0.4	0.060	37
71-99H-305-2 Field Duplicate	13	23	9.0	1.80	0.4	1.0	0.150	48
71-99H-306	5	8	2.5	0.80	0.1	0.3	0.050	16
71-99H-307	5	9	2.5	0.80	0.1	0.2	0.050	17
71-99H-308	2	2	2.5	0.30	0.1	0.1	0.050	7
71-99H-310	3	5	2.5	0.40	0.1	0.2	0.050	11
71-99H-311	8	13	2.5	1.10	0.1	0.5	0.070	25
71-99H-312	17	19	13.0	2.10	0.4	0.5	0.070	52
71-99H-313	12	25	12.0	1.60	0.3	0.5	0.070	52
71-99H-314-1 Field Duplicate	3	2	2.5	0.50	0.1	0.1	0.050	8
71-99H-314-2 Field Duplicate	2	2	2.5	0.30	0.1	0.1	0.050	7
71-99H-315	22	30	23.0	2.60	0.5	0.7	0.110	79
71-99H-316	3	2	2.5	0.40	0.1	0.1	0.050	7
71-99H-317	6	13	2.5	0.90	0.1	0.2	0.050	22
71-99H-318	18	34	19.0	2.10	0.4	0.6	0.090	74

Sample Site	La	Ce	Nd	Sm	Eu	Yb	Lu	TREE
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
71-99H-319	6	11	2.5	0.90	0.1	0.2	0.050	21
71-99H-320	13	24	12.0	1.60	0.3	0.7	0.110	51
71-99H-321	3	2	2.5	0.50	0.1	0.1	0.050	8
71-99H-322	6	10	5.0	1.00	0.1	0.2	0.050	22
71-99H-323	5	7	2.5	0.70	0.1	0.3	0.050	15
71-99H-324	2	4	2.5	0.40	0.1	0.1	0.050	9
71-99H-326	51	67	40.0	5.60	1.1	1.3	0.210	166
71-99H-327	15	22	13.0	1.90	0.3	0.5	0.080	53
71-99H-328	41	35	30.0	4.20	0.9	1.0	0.150	112
71-99H-329-1 Field Duplicate	10	15	9.0	1.40	0.3	0.4	0.050	36
71-99H-329-2 Field Duplicate	4	8	5.0	0.70	0.1	0.1	0.050	18
71-99H-330	3	5	2.5	0.50	0.1	0.1	0.050	11
71-99H-331	7	10	7.0	0.90	0.1	0.2	0.050	25
71-99H-332	5	8	2.5	0.70	0.1	0.1	0.050	17
71-99H-333	4	7	2.5	0.60	0.1	0.3	0.050	15
71-99H-334	5	8	2.5	0.70	0.1	0.3	0.050	16
71-99H-335	18	31	13.0	2.20	0.5	0.8	0.120	66
71-99H-336	31	45	24.0	3.40	0.7	1.2	0.180	105
71-99H-337	9	13	6.0	1.30	0.2	0.3	0.050	30
71-99H-338	4	8	2.5	0.60	0.1	0.3	0.050	16
71-99H-339	12	22	14.0	1.60	0.3	0.5	0.070	51
71-99H-340	63	96	58.0	6.30	1.3	1.3	0.170	226
71-99H-341	2	5	2.5	0.30	0.1	0.1	0.050	10
71-99H-342	2	2	2.5	0.30	0.1	0.1	0.050	6
71-99H-343	9	15	12.0	1.30	0.3	0.5	0.070	38
71-99H-344	2	3	2.5	0.30	0.1	0.1	0.050	8
71-99H-345	12	16	2.5	1.40	0.3	0.4	0.060	32
71-99H-346	4	5	2.5	0.50	0.1	0.1	0.050	12
71-99H-347	4	7	8.0	0.60	0.1	0.2	0.050	19
71-99H-348	5	11	2.5	0.90	0.1	0.3	0.050	20
71-99H-349	28	37	18.0	3.50	0.6	0.7	0.110	88
71-99H-350	4	10	2.5	0.70	0.1	0.4	0.060	18
71-99H-351	18	37	17.0	2.10	0.5	0.5	0.080	76

Duplicate Pair INA Analyses.

Element	UTM		Au	As	Ba	Br	Ca	Co	Cr	Fe	Hf	Mo	Na	Rb	Sb	Sc	Th	U	Zn
	Easting	Northing	pb	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
71-99H-21-1 Field Duplicate	384823.47	6085301.09	1	2.2	100	16.0	4	2.0	7.0	0.40	0.50	6.0	0.07	16.0	0.05	1.4	1.3	0.25	25
71-99H-21-2 Field Duplicate	384823.47	6085301.09	1	3.5	210	7.8	2	2.0	10.0	0.45	0.50	0.5	0.14	16.0	0.50	2.2	1.4	0.25	25
71-99H-41-1 Field Duplicate	391167.56	6086589.75	1	4.0	160	17.2	1	6.0	21.0	1.40	1.00	0.5	0.31	7.5	0.05	4.3	5.2	0.25	25
71-99H-41-2 Field Duplicate	391167.56	6086589.75	1	5.9	200	25.6	1	11.0	14.0	1.00	0.50	0.5	0.15	21.0	0.50	3.0	3.3	0.25	25
71-99H-70-1 Field Duplicate	377176.25	6084802.55	1	1.4	110	18.4	4	6.0	2.5	0.46	0.50	0.5	0.17	7.5	0.05	1.7	1.3	0.25	25
71-99H-70-2 Field Duplicate	377176.25	6084802.55	1	3.5	160	18.8	1	8.0	22.0	0.80	0.50	0.5	0.28	7.5	0.05	2.8	2.8	0.25	25
71-99H-82-1 Field Duplicate	372516.50	6088851.06	1	1.8	150	23.2	4	3.0	6.0	0.43	0.50	5.0	0.10	7.5	0.05	1.2	1.5	4.80	25
71-99H-82-2 Field Duplicate	372516.50	6088851.06	1	1.6	130	22.3	6	2.0	2.5	0.43	1.00	4.0	0.13	7.5	0.05	1.3	1.5	4.30	25
71-99H-101-1 Field Duplicate	364004.46	6090265.61	1	2.2	300	6.2	1	5.0	14.0	0.76	1.00	0.5	0.30	7.5	0.40	2.8	2.2	0.25	51
71-99H-101-2 Field Duplicate	364004.46	6090265.61	1	1.7	25	6.3	1	2.0	2.5	0.35	0.50	0.5	0.12	7.5	0.05	1.1	0.7	0.25	54
71-99H-124-1 Field Duplicate	362147.22	6090729.66	1	1.5	100	15.3	6	4.0	7.0	0.29	0.50	0.5	0.07	7.5	0.10	1.1	1.2	1.90	25
71-99H-124-2 Field Duplicate	362147.22	6090729.66	1	1.0	74	18.1	6	3.0	2.5	0.15	0.50	0.5	0.04	7.5	0.05	0.6	0.4	1.10	25
71-99H-141-1 Field Duplicate	362142.99	6084076.48	5	3.9	190	9.5	2	9.0	25.0	1.24	1.00	0.5	0.31	42.0	0.05	4.0	3.2	0.25	115
71-99H-141-2 Field Duplicate	362142.99	6084076.48	1	4.0	150	3.8	1	4.0	10.0	0.44	0.50	0.5	0.12	7.5	0.05	1.4	1.2	0.25	25
71-99H-219-1 Field Duplicate	367825.77	6068425.98	4	2.9	220	8.7	2	7.0	24.0	1.24	0.50	0.5	0.17	38.0	0.20	4.5	4.9	0.25	25
71-99H-219-2 Field Duplicate	367825.77	6068425.98	5	2.5	300	7.9	2	7.0	28.0	1.64	0.50	0.5	0.19	42.0	0.30	4.9	5.1	0.25	25
71-99H-225-1 Field Duplicate	350702.40	6083206.61	1	2.1	160	27.9	4	5.0	19.0	0.90	0.50	0.5	0.12	7.5	0.05	3.0	4.7	1.90	25
71-99H-225-2 Field Duplicate	350702.40	6083206.61	1	1.7	25	18.0	4	3.0	2.5	0.10	0.50	0.5	0.02	7.5	0.05	0.2	0.3	1.20	63
71-99H-230-1 Field Duplicate	355405.44	6076684.24	1	4.3	120	10.6	1	5.0	7.0	0.24	0.50	0.5	0.06	7.5	0.30	0.7	0.6	0.25	91
71-99H-230-2 Field Duplicate	355405.44	6076684.24	1	3.0	180	11.1	1	5.0	10.0	0.46	0.50	0.5	0.13	7.5	0.30	1.9	1.6	0.25	25
71-99H-248-1 Field Duplicate	363998.87	6080166.06	1	8.4	110	15.0	1	3.0	11.0	0.54	0.50	0.5	0.19	7.5	0.50	1.9	2.0	0.25	25
71-99H-248-2 Field Duplicate	363998.87	6080166.06	1	7.7	100	17.8	2	2.0	8.0	0.50	0.50	0.5	0.14	7.5	0.40	1.6	1.0	0.25	57
71-99H-276-1 Field Duplicate	385148.66	6077248.38	1	4.8	120	11.5	1	2.0	10.0	0.44	0.50	0.5	0.15	22.0	0.40	1.4	0.9	0.25	63
71-99H-276-2 Field Duplicate	385148.66	6077248.38	3	4.1	140	15.2	1	3.0	7.0	0.40	0.50	0.5	0.18	22.0	0.40	1.5	1.1	0.25	56
71-99H-292-1 Field Duplicate	372658.22	6079359.51	1	4.2	110	8.7	1	2.0	11.0	0.33	0.50	4.0	0.10	7.5	0.60	1.2	0.8	0.25	25
71-99H-292-2 Field Duplicate	372658.22	6079359.51	1	5.7	150	12.2	1	1.0	9.0	0.30	0.50	4.0	0.10	7.5	0.60	1.2	0.7	0.25	25
71-99H-305-1 Field Duplicate	373257.01	6080611.99	1	2.9	200	18.7	2	5.0	17.0	0.76	1.00	0.5	0.21	7.5	0.30	3.0	2.6	0.80	62
71-99H-305-2 Field Duplicate	373257.01	6080611.99	1	3.1	310	12.5	2	6.0	21.0	0.81	4.00	0.5	0.82	7.5	0.30	3.7	3.4	1.30	52
71-99H-314-1 Field Duplicate	380441.27	6077362.52	1	5.0	180	13.2	1	2.0	2.5	0.34	0.50	0.5	0.16	7.5	0.30	1.1	0.3	0.25	105

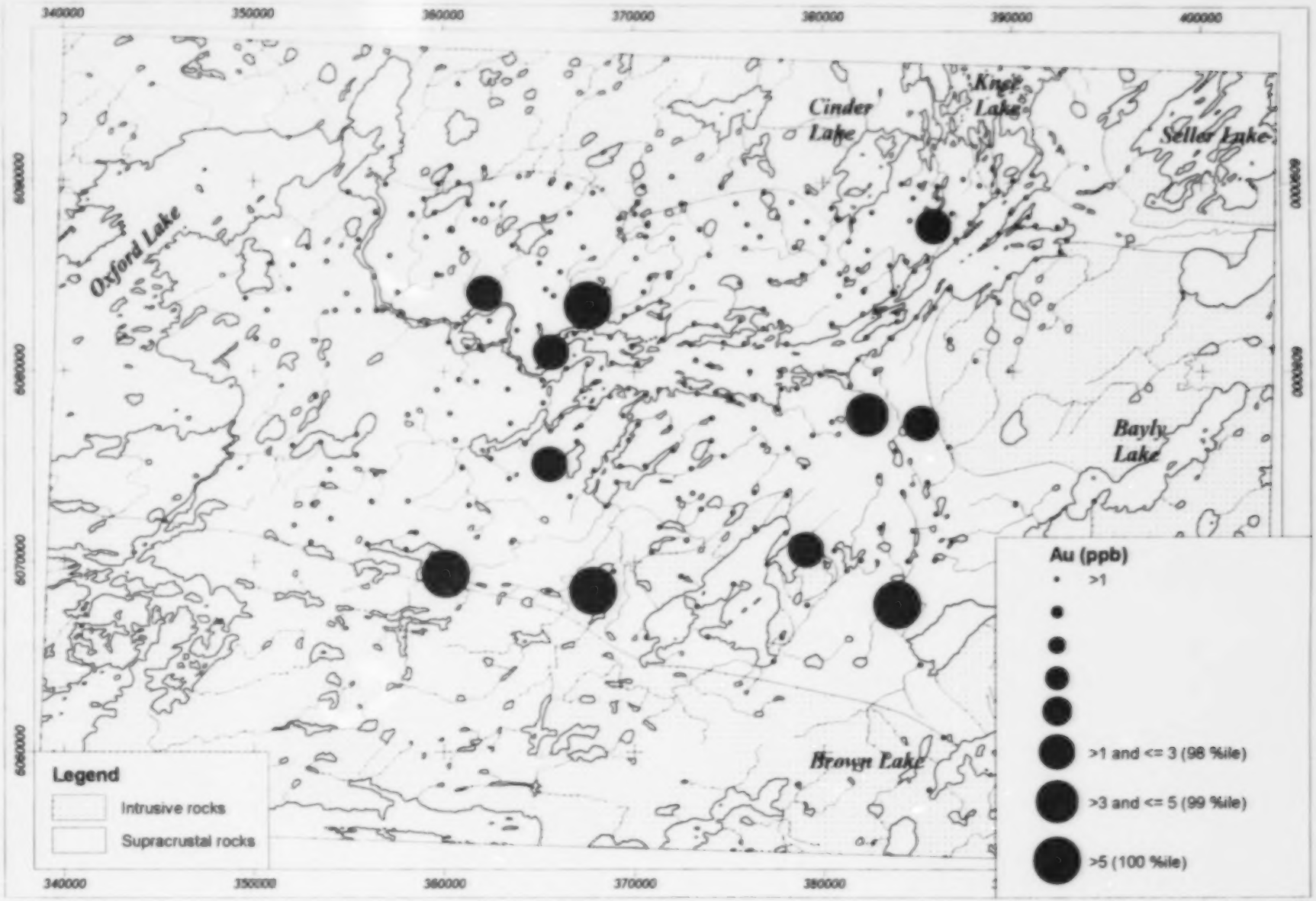
Element	UTM		Au	As	Ba	Br	Ca	Co	Cr	Fe	Hf	Mo	Na	Rb	Sb	Sc	Th	U	Zn
	Easting	Northing	pb	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
71-99H-314-2 Field Duplicate	380441.27	6077362.52	1	5.6	25	16.0	1	2.0	2.5	0.34	0.50	0.5	0.15	7.5	0.20	1.1	0.4	0.25	111
71-99H-329-1 Field Duplicate	373524.62	6072776.30	1	4.5	130	15.4	3	3.0	18.0	0.89	1.00	0.5	0.22	25.0	0.20	2.7	3.0	2.10	59
71-99H-329-2 Field Duplicate	373524.62	6072776.30	1	4.3	110	8.9	1	2.0	8.0	0.43	0.50	0.5	0.11	18.0	0.40	1.4	1.1	0.80	25

Element	La	Ce	Nd	Sm	Eu	Yb	Lu	TREE
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
71-99H-21-1 Field Duplicate	4	6	2.5	0.50	0.1	0.1	0.050	13
71-99H-21-2 Field Duplicate	6	10	2.5	0.70	0.1	0.1	0.050	20
71-99H-41-1 Field Duplicate	17	24	9.0	1.90	0.3	0.6	0.080	53
71-99H-41-2 Field Duplicate	15	24	2.5	1.60	0.3	0.4	0.060	43
71-99H-70-1 Field Duplicate	13	2	2.5	1.60	0.5	0.1	0.025	19
71-99H-70-2 Field Duplicate	19	20	12.0	2.60	1.0	0.1	0.025	55
71-99H-82-1 Field Duplicate	5	10	2.5	0.60	0.4	0.1	0.025	19
71-99H-82-2 Field Duplicate	6	10	2.5	0.70	0.4	0.4	0.060	20
71-99H-101-1 Field Duplicate	11	22	6.0	1.50	0.4	0.6	0.100	42
71-99H-101-2 Field Duplicate	3	5	2.5	0.50	0.3	0.1	0.050	12
71-99H-124-1 Field Duplicate	3	5	2.5	0.50	0.1	0.2	0.050	12
71-99H-124-2 Field Duplicate	2	2	2.5	0.30	0.1	0.1	0.050	6
71-99H-141-1 Field Duplicate	13	30	9.0	1.90	0.5	0.7	0.120	55
71-99H-141-2 Field Duplicate	6	12	2.5	0.80	0.1	0.1	0.050	21
71-99H-219-1 Field Duplicate	55	125	46.0	7.40	1.5	1.2	0.180	236
71-99H-219-2 Field Duplicate	54	128	43.0	7.80	1.5	1.1	0.170	236
71-99H-225-1 Field Duplicate	15	19	11.0	2.10	0.6	0.5	0.110	48
71-99H-225-2 Field Duplicate	1	2	2.5	0.05	0.1	0.1	0.050	5
71-99H-230-1 Field Duplicate	2	8	2.5	0.40	0.3	0.1	0.050	13
71-99H-230-2 Field Duplicate	5	10	2.5	0.70	0.1	0.3	0.050	18
71-99H-248-1 Field Duplicate	5	11	15.0	0.90	0.1	0.4	0.060	33
71-99H-248-2 Field Duplicate	5	10	12.0	0.90	0.1	0.3	0.050	28
71-99H-276-1 Field Duplicate	4	7	2.5	0.60	0.1	0.3	0.050	14
71-99H-276-2 Field Duplicate	4	8	2.5	0.70	0.2	0.1	0.050	16
71-99H-292-1 Field Duplicate	3	6	2.5	0.50	0.1	0.3	0.050	12
71-99H-292-2 Field Duplicate	3	5	2.5	0.50	0.1	0.2	0.050	11
71-99H-305-1 Field Duplicate	9	19	6.0	1.50	0.3	0.4	0.060	37
71-99H-305-2 Field Duplicate	13	23	9.0	1.80	0.4	1.0	0.150	48
71-99H-314-1 Field Duplicate	3	2	2.5	0.50	0.1	0.1	0.050	8

Element	La	Ce	Nd	Sm	Eu	Yb	Lu	TREE
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
71-99H-314-2 Field Duplicate	2	2	2.5	0.30	0.1	0.1	0.050	7
71-99H-329-1 Field Duplicate	10	15	9.0	1.40	0.3	0.4	0.050	36
71-99H-329-2 Field Duplicate	4	8	5.0	0.70	0.1	0.1	0.050	18

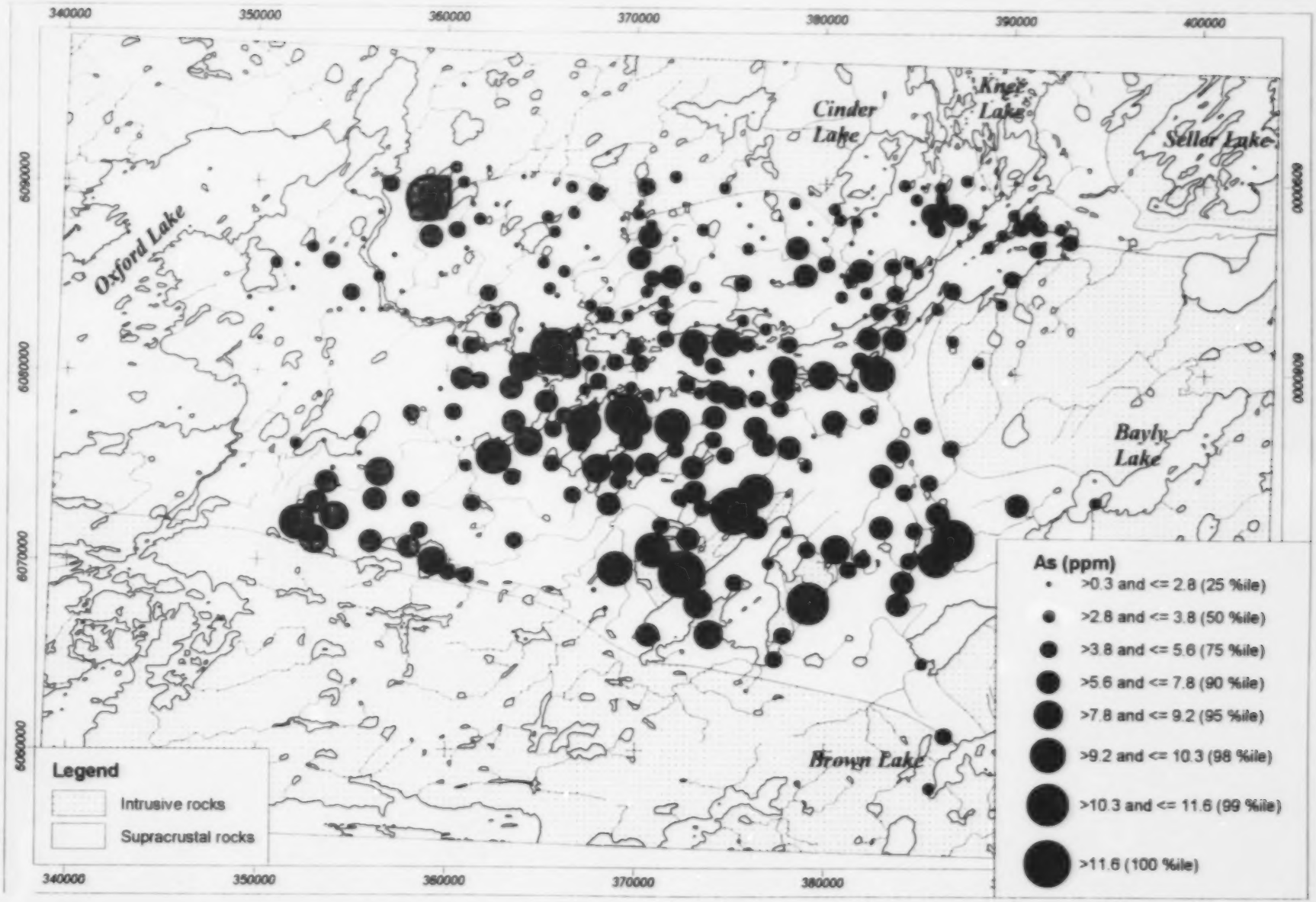
Appendix H-6

INAA Percentile Bubble Plots.



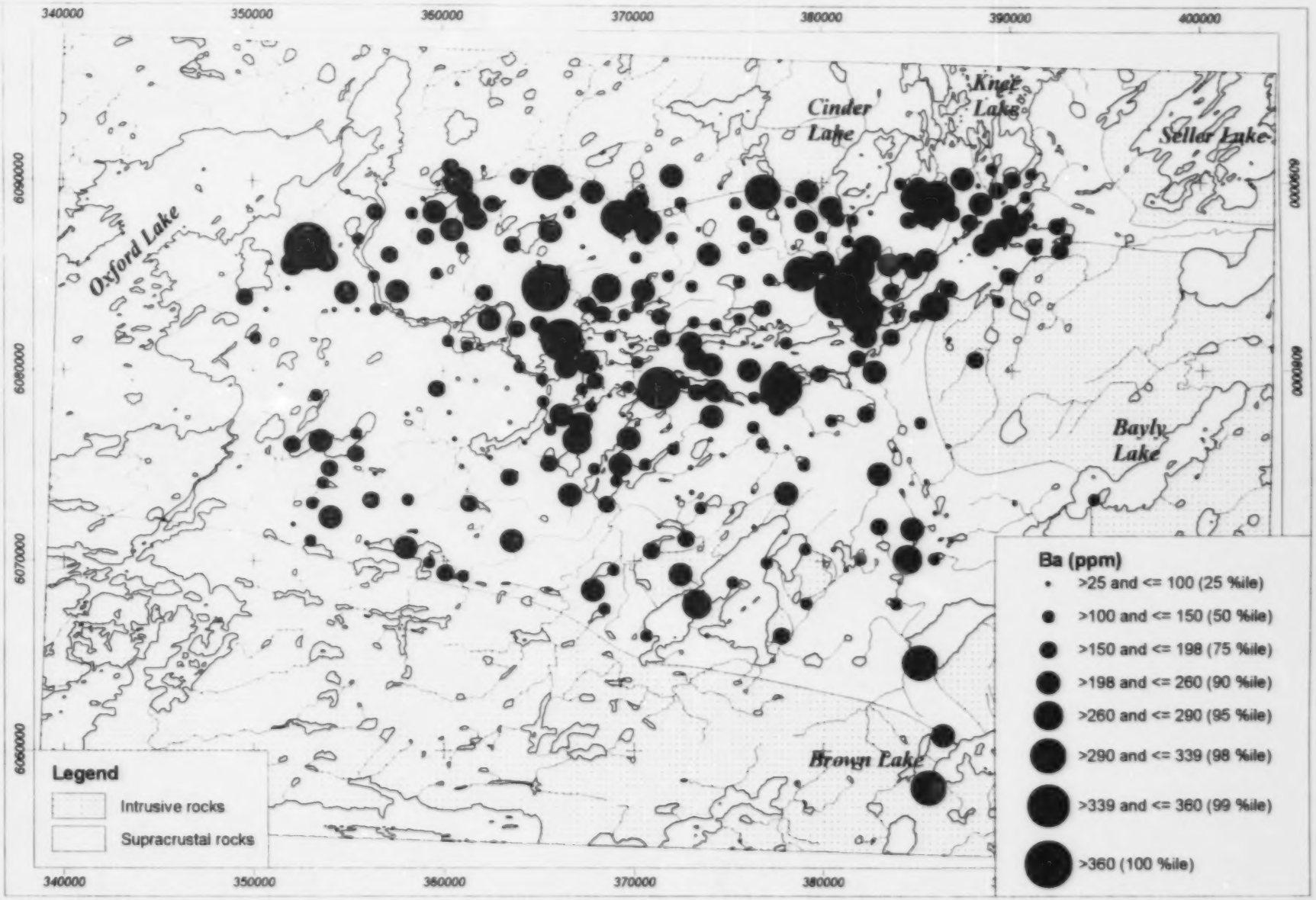
Humus (-80 mesh) - 305 samples
INAA

Appendix H-6-1



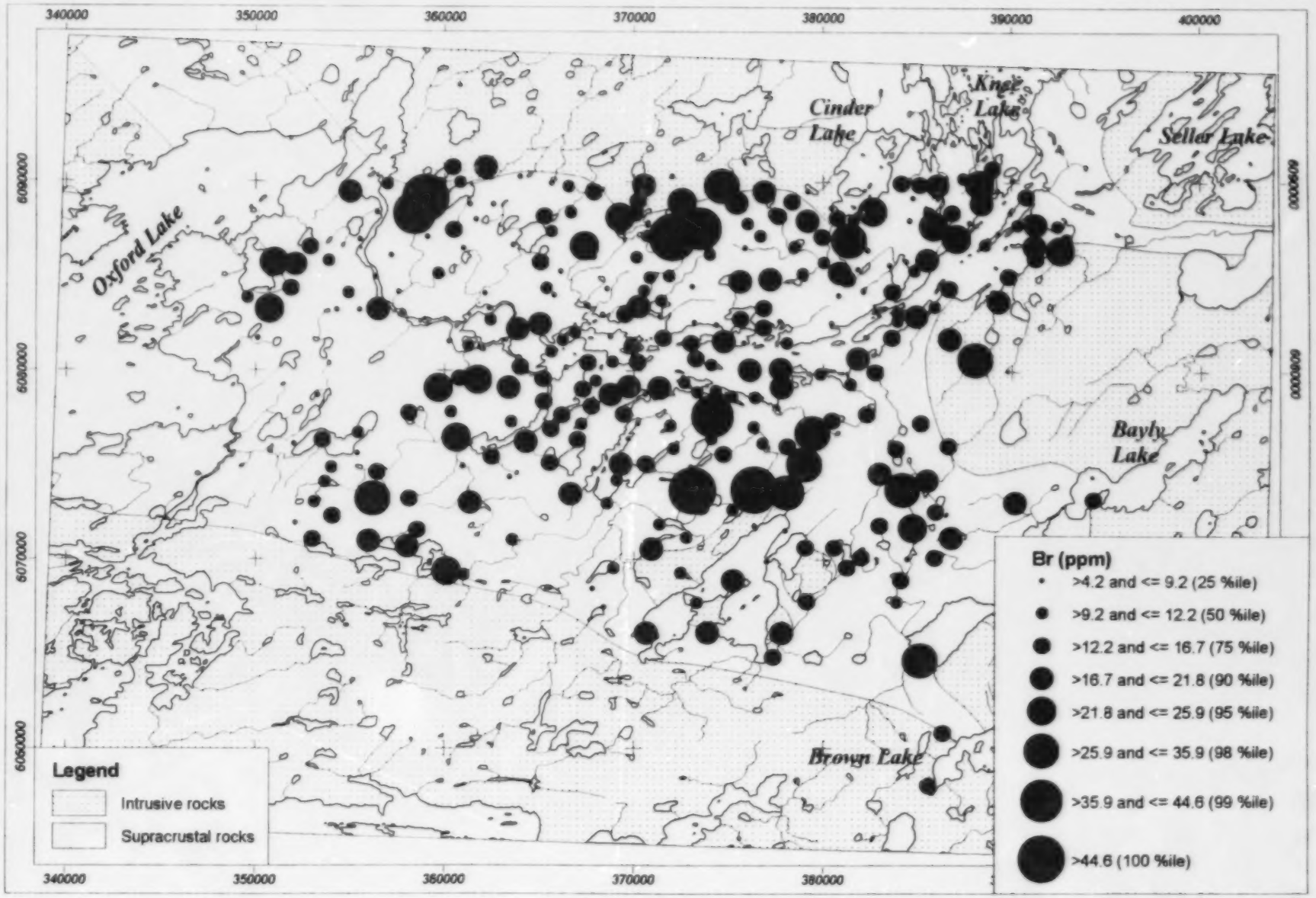
Humus (-80 mesh) - 305 samples
INAA

Appendix H-6-2



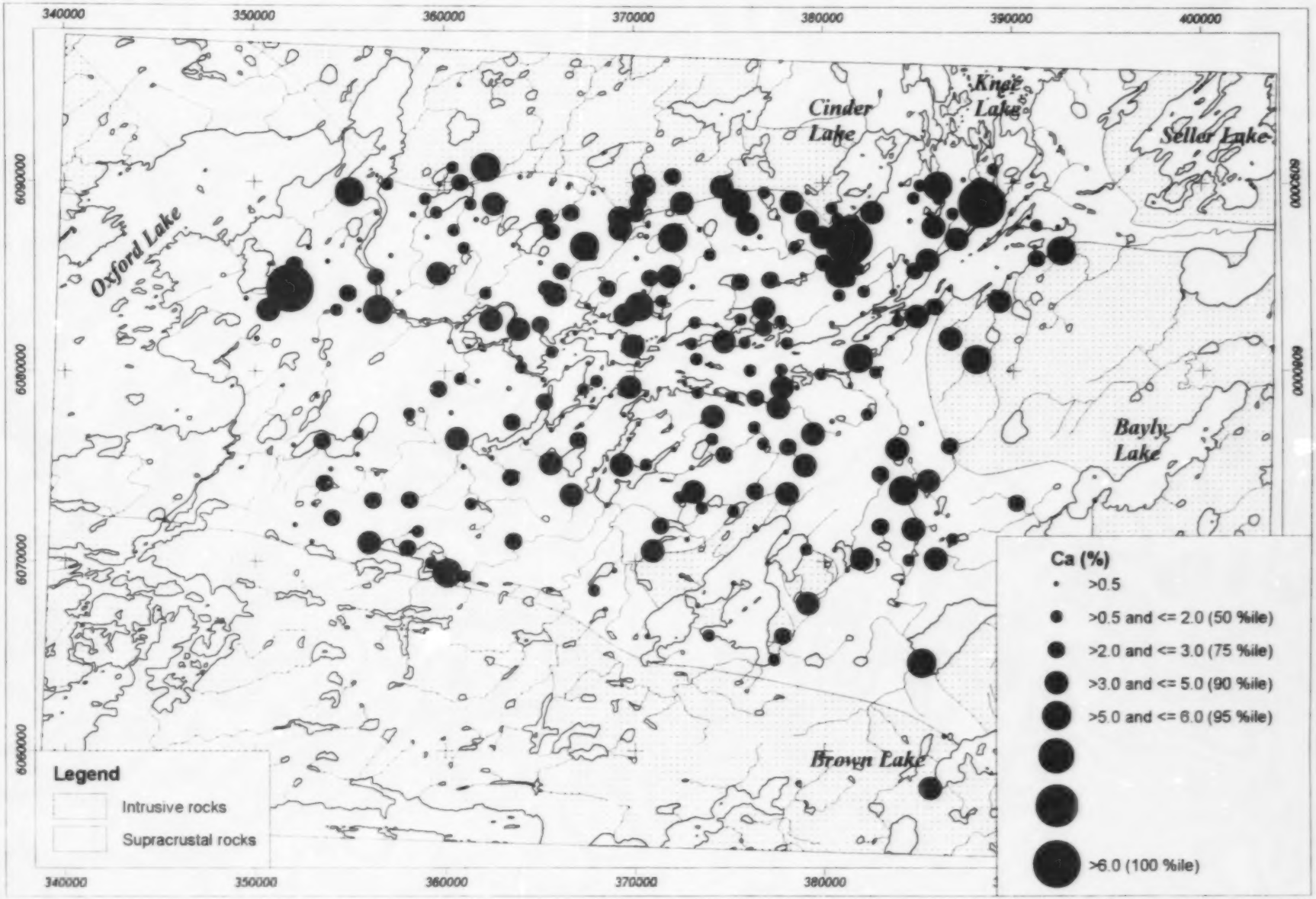
Humus (-80 mesh) - 305 samples
INAA

Appendix H-6-3



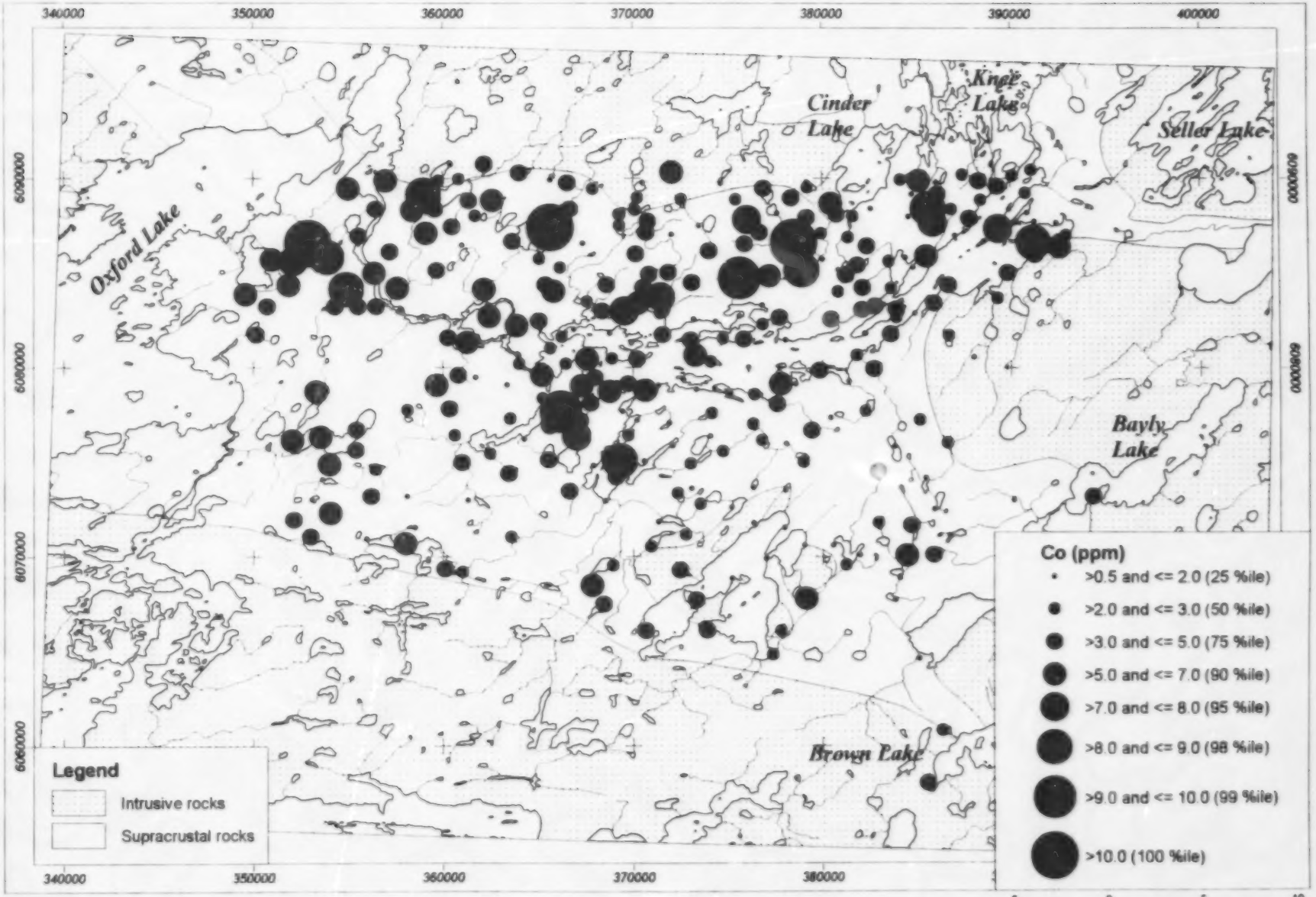
Humus (-80 mesh) - 305 samples
INAA

Appendix H-6-4



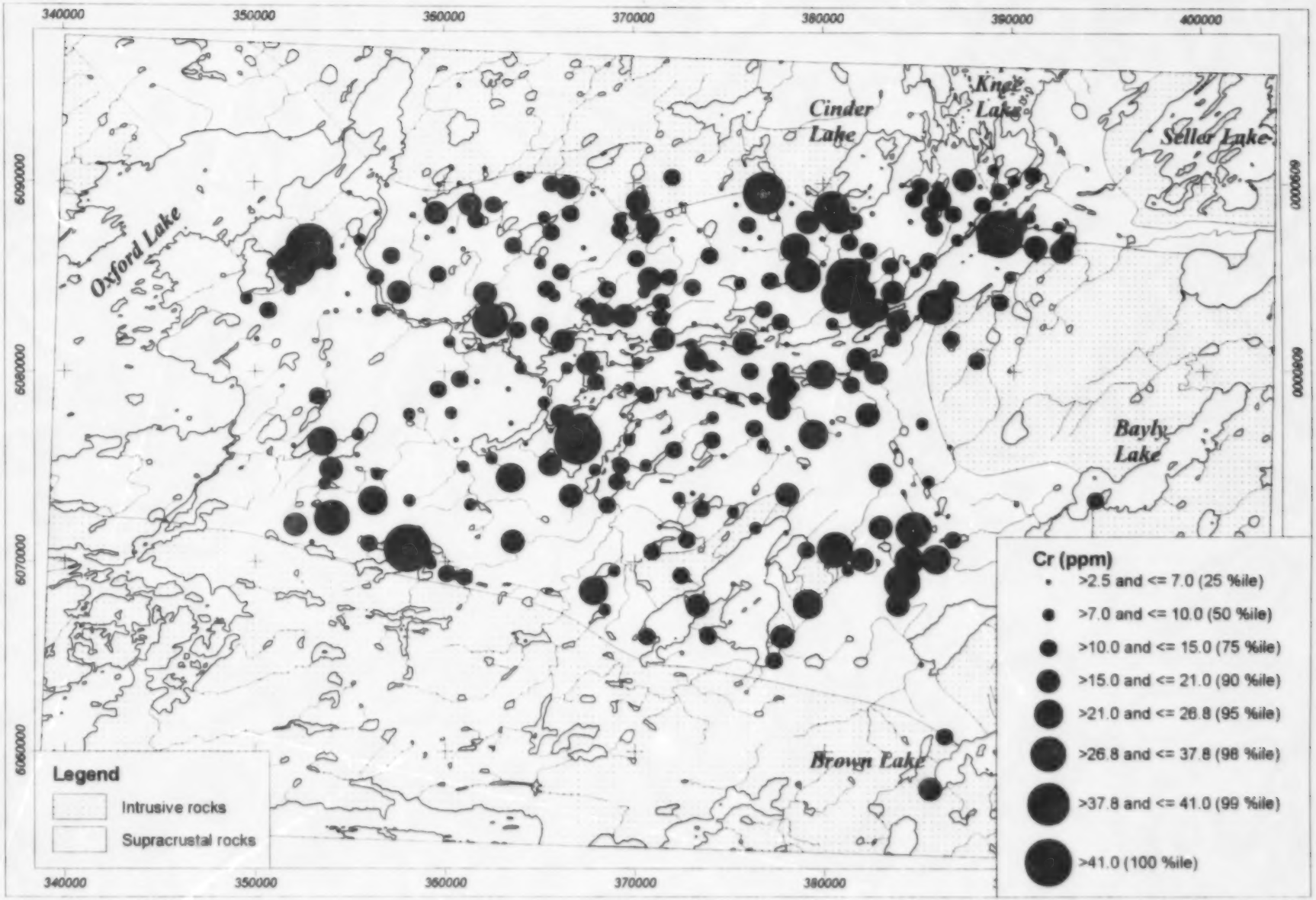
Humus (-80 mesh) - 305 samples
INAA

Appendix H-6-5



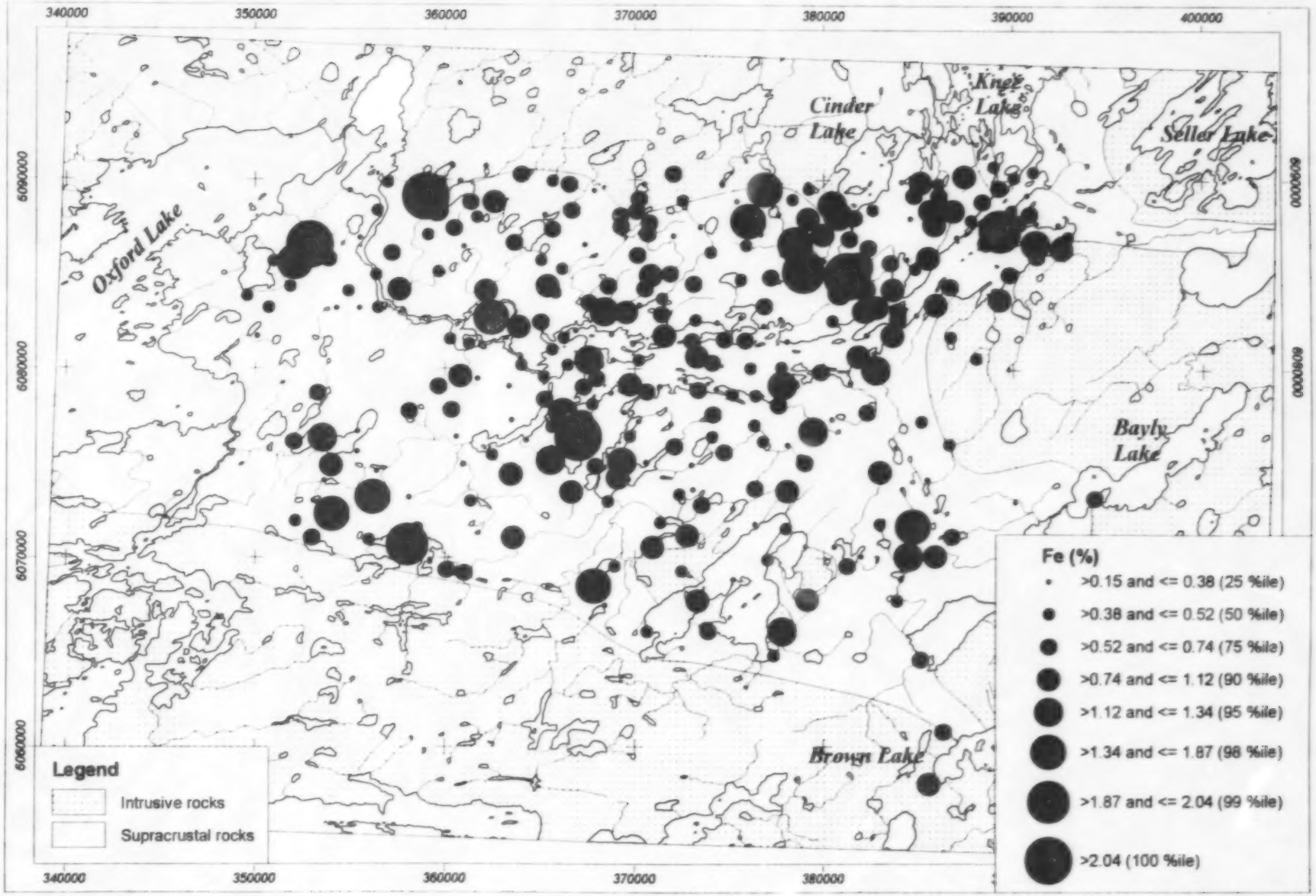
Humus (-80 mesh) - 305 samples
INAA

Appendix H-6-6



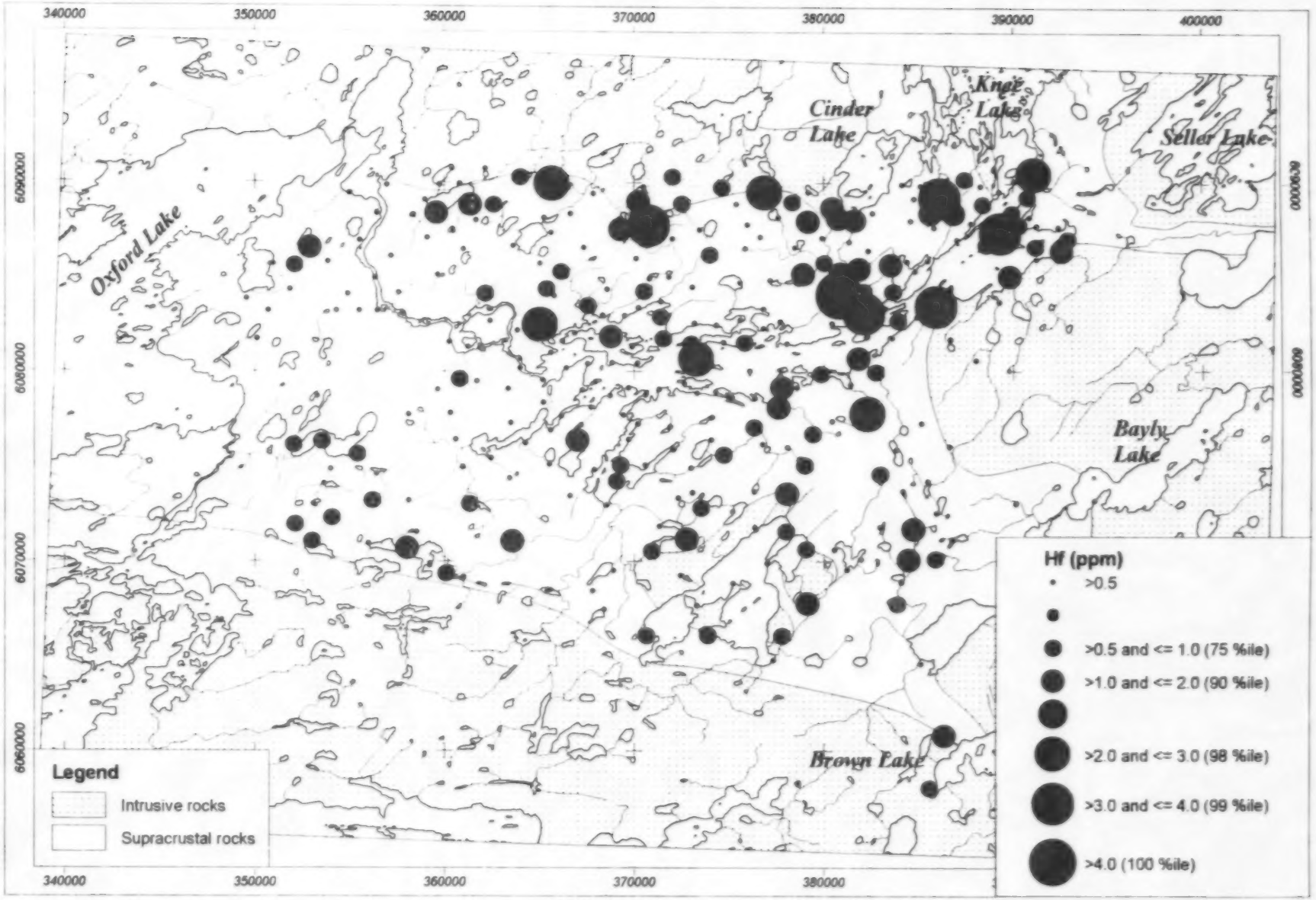
Humus (-80 mesh) - 305 samples
INAA

Appendix H-6-7



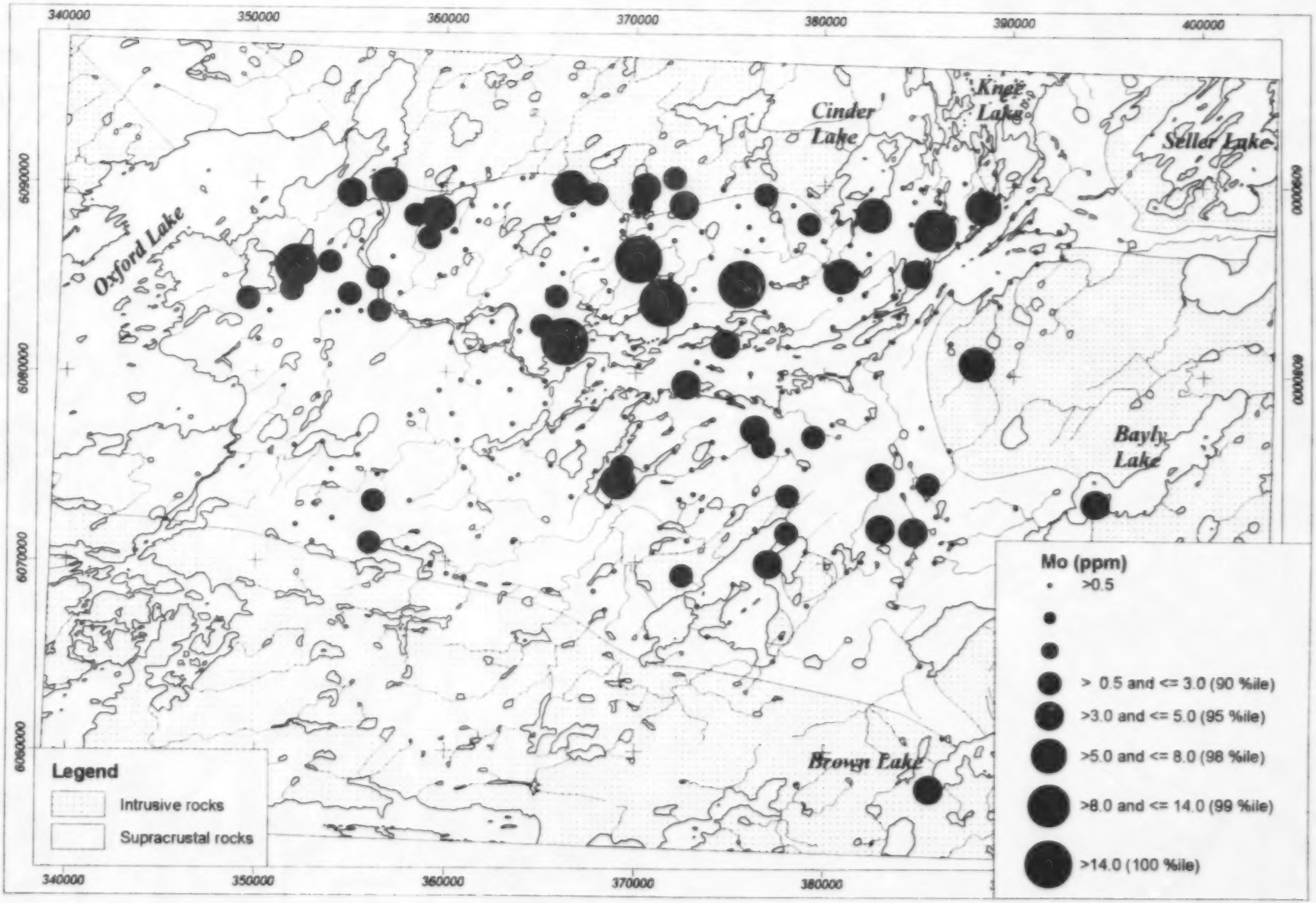
Humus (-80 mesh) - 305 samples
INAA

Appendix H-6-8



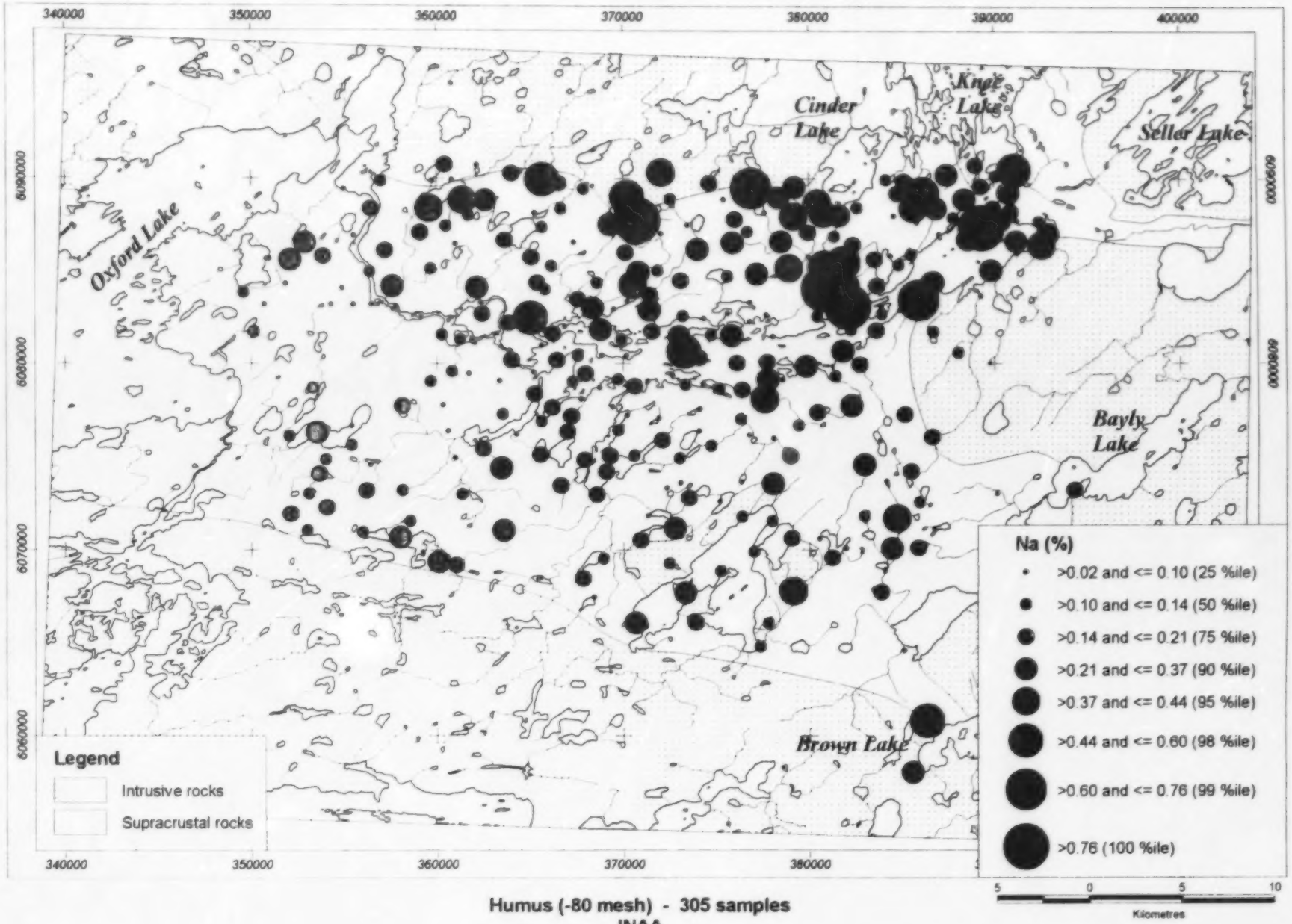
Humus (-80 mesh) - 305 samples
INAA

Appendix H-6-9



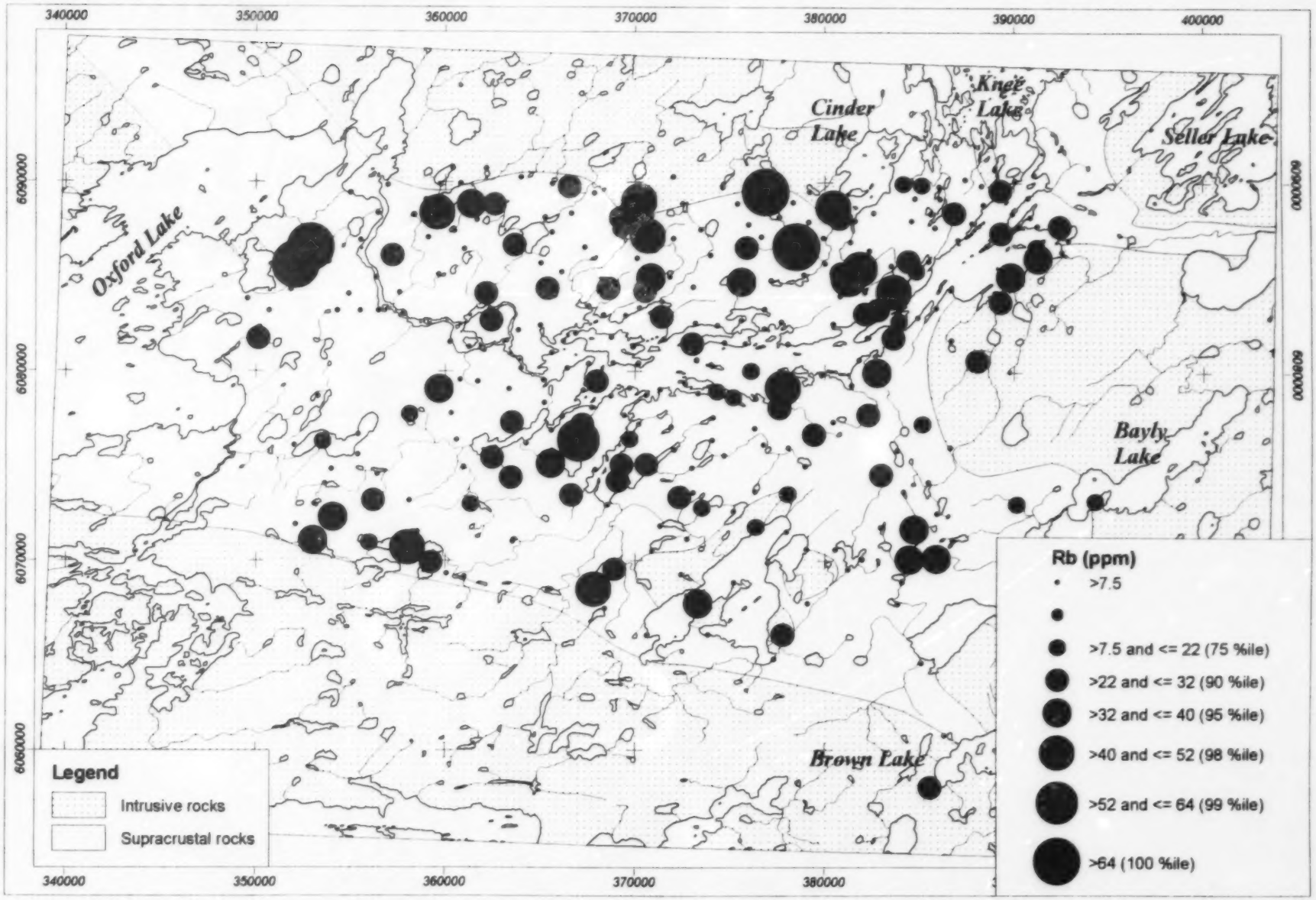
Humus (-80 mesh) - 305 samples
INAA

Appendix H-6-10



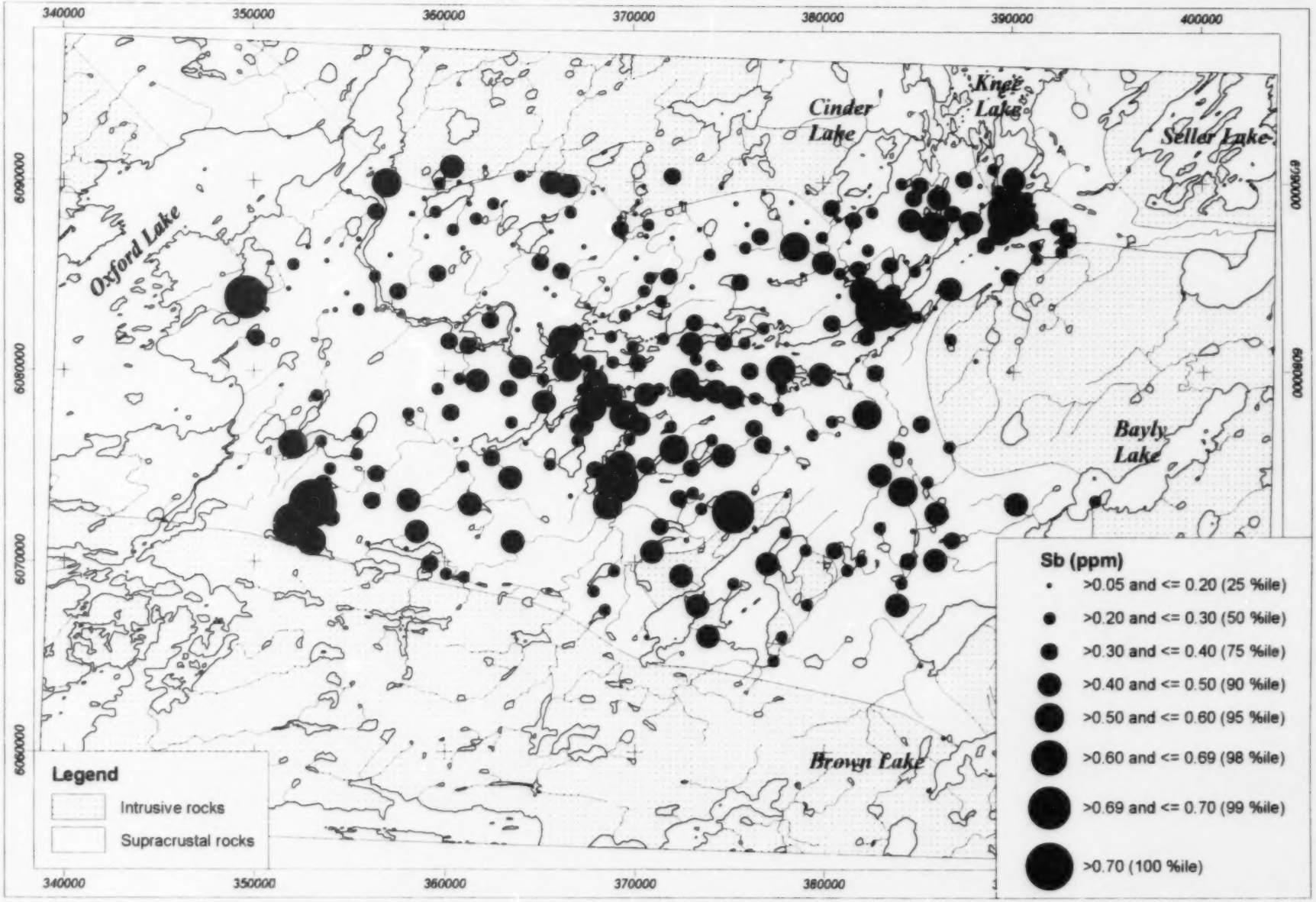
Humus (-80 mesh) - 305 samples
INAA

Appendix H-6-11

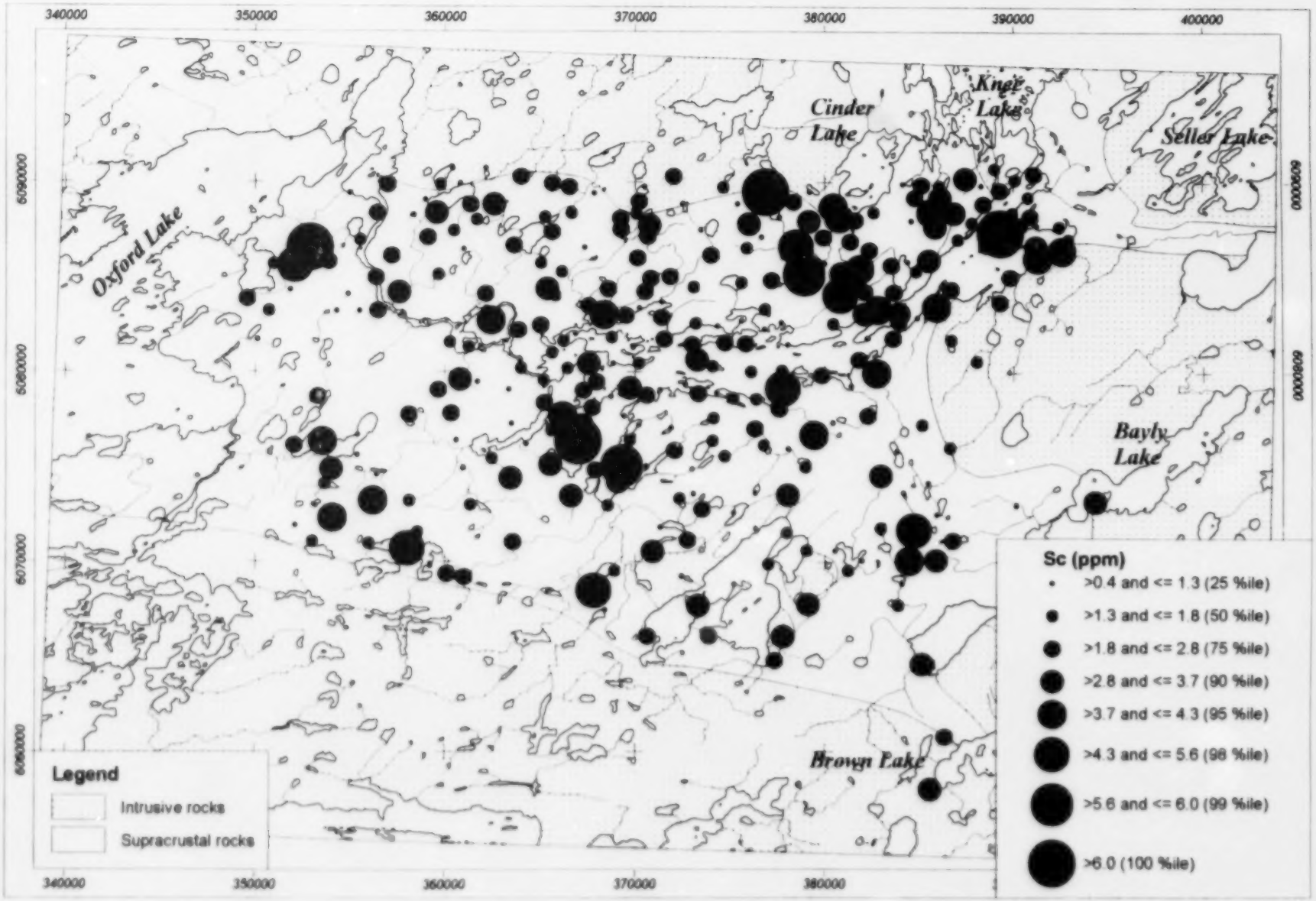


Humus (-80 mesh) - 305 samples
INAA

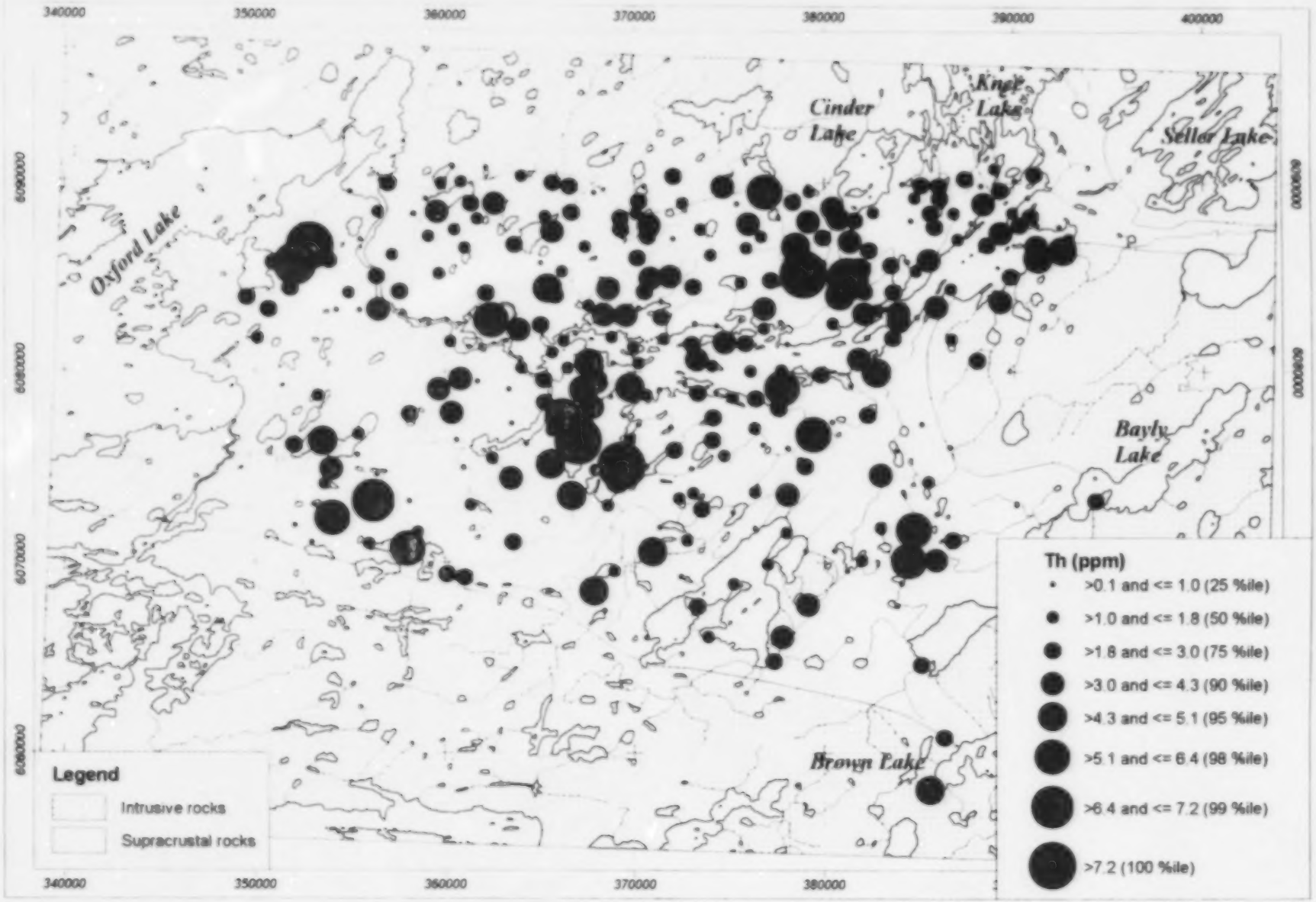
Appendix H-6-12



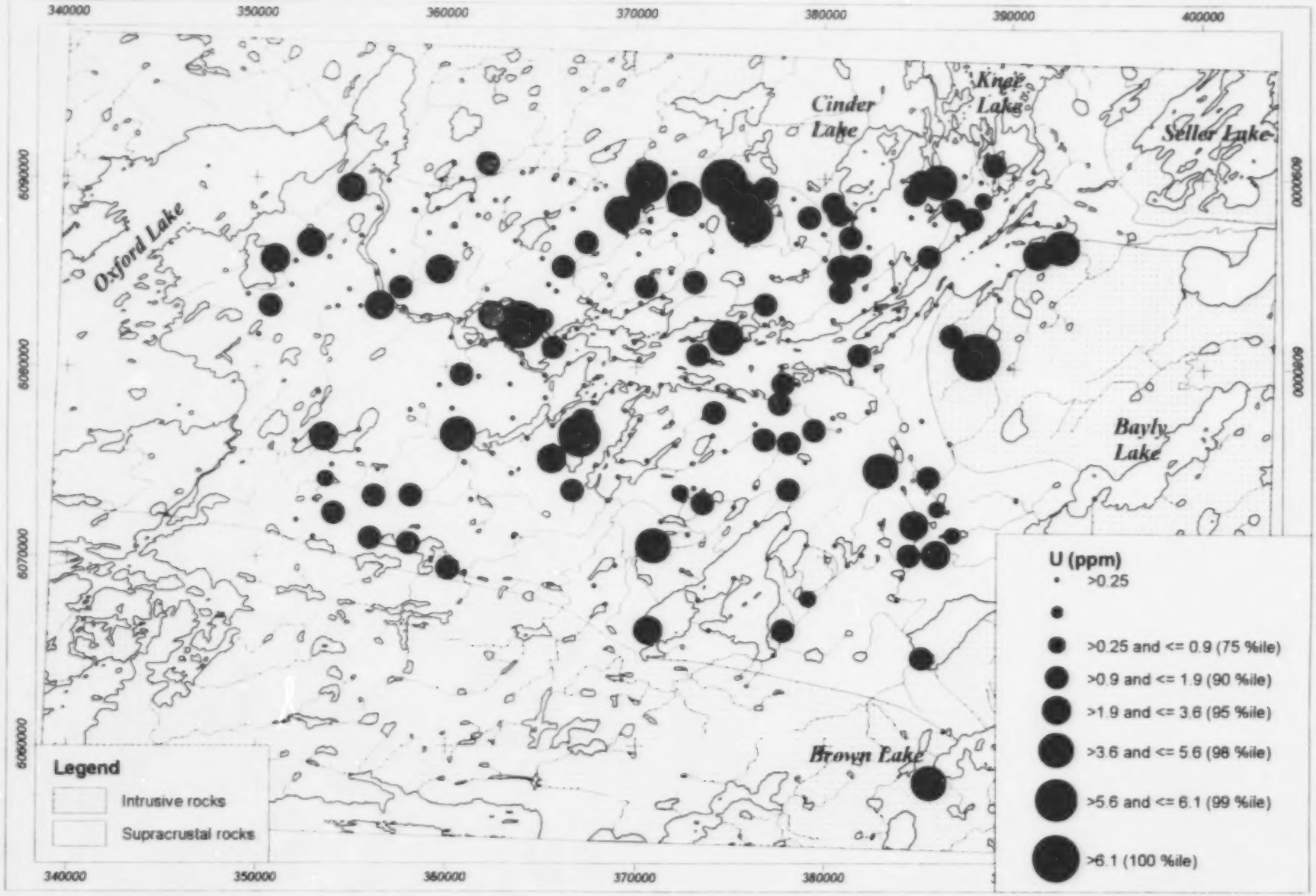
Humus (-80 mesh) - 305 samples
INAA



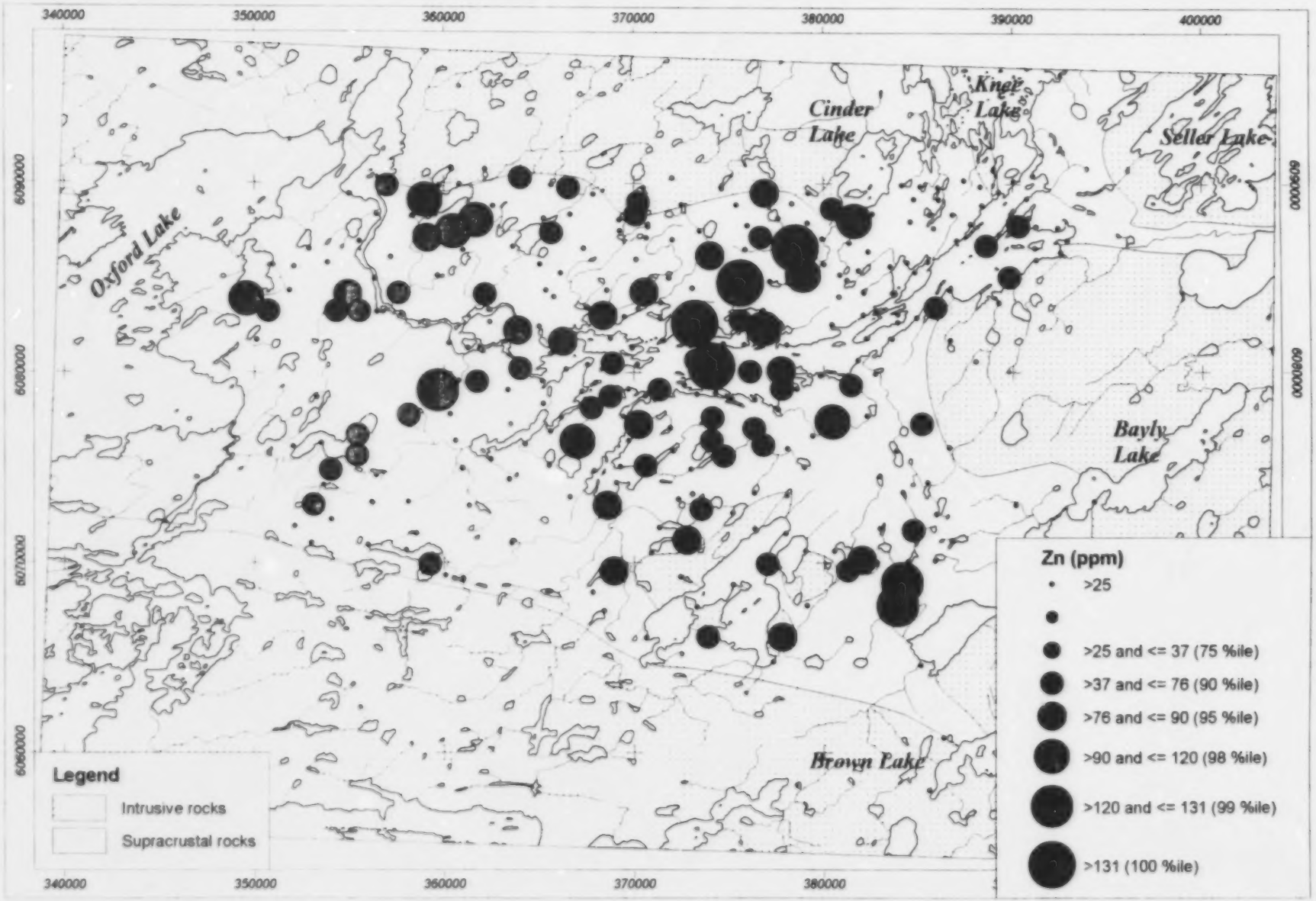
Humus (-80 mesh) - 305 samples
INAA



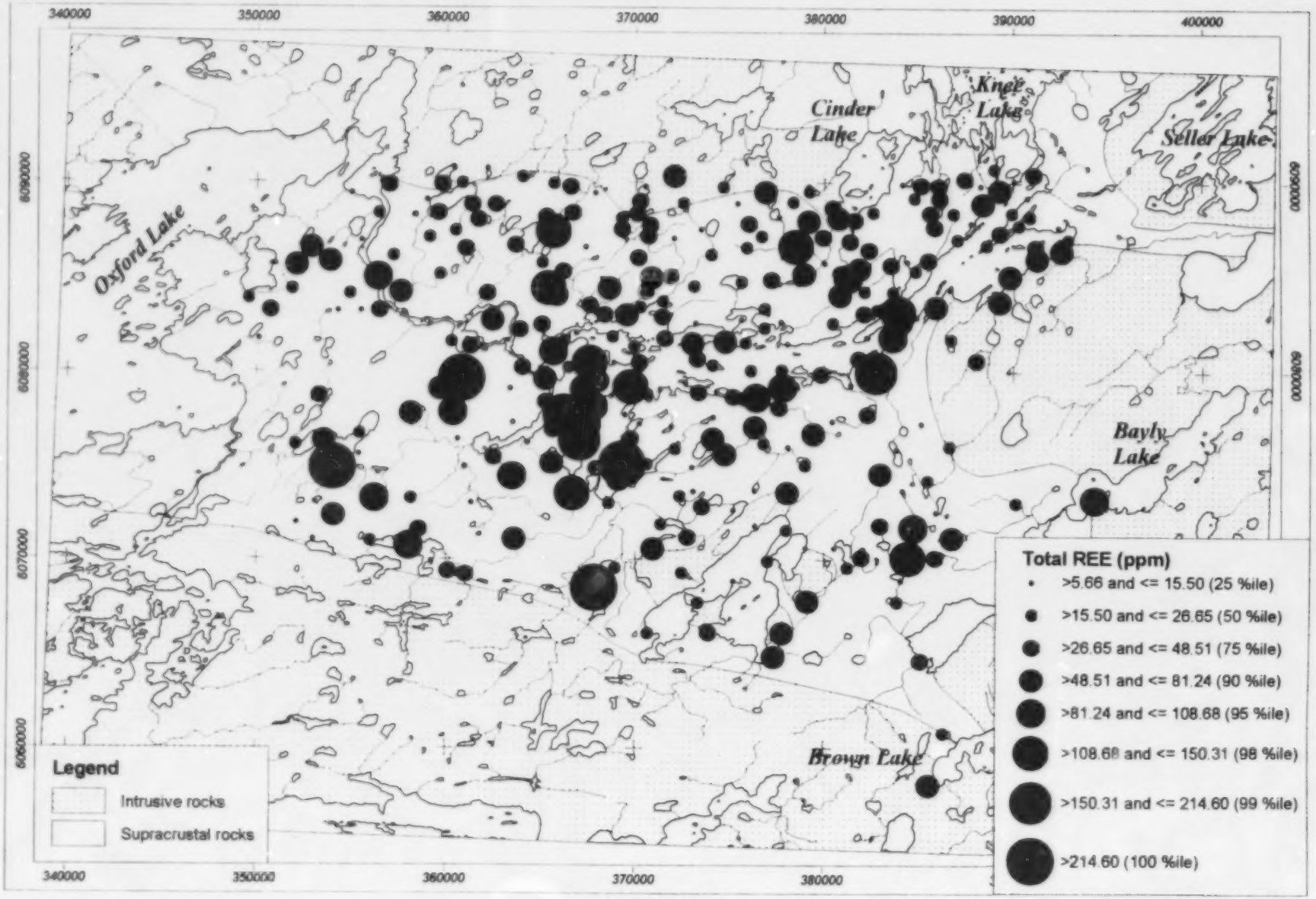
Humus (-80 mesh) - 305 samples
INAA



Humus (-80 mesh) - 305 samples
INAA



Humus (-80 mesh) - 305 samples
INAA



Humus (-80 mesh) - 305 samples
INAA

VEGETATION GEOCHEMICAL SURVEY

Introduction

Unlike the 1996 survey, in 1999 only black spruce (Picea mariana) crown twigs were sampled and analyzed. This modification to the sampling plan was instituted due to higher contrast geochemical response for most elements in the crown twigs. Data interpretation proceeds in an element by element format; results for INAA and ICP-AES are discussed separately.

It should be noted that unlike rocks, soils, lake sediments and other types of geochemical sample media, trees and other plants have certain nutrient requirements in order to survive. This effectively divides elements into essential and non-essential categories. For these reasons, the essential element Zn, which is necessary for plant metabolism, must be interpreted with caution since subtle variations in the Zn concentrations of vegetation samples from site to site may only reflect the general state of the health of the tree. Major differences may indicate the presence of mineralization containing Zn or a Zn-enriched substrate. Tables 8 and 9 summarize essential and non-essential elements and their role in plant function.

Sample collection

Samples of twigs from the crowns of black spruce (Picea mariana) were collected from each sampling site. Sampling was undertaken over an 8-week period between June and August, 1999. At most sites, the vegetation samples were collected from within 20 m of the till sampling pit. Black spruce was selected as the target sampling medium on the basis of its ubiquitous presence throughout the survey area and for its usefulness in delineating metal-enriched substrates in other vegetation geochemical surveys (Fedikow and Dunn, 1996). Black spruce crown twigs were obtained by cutting down the tree and collecting the upper 45 cm of the tree using anvil-type pruning shears. These samples were stored in labelled, brown paper bags and allowed to dry before preparation.

Sample preparation and analysis

Subsequent to drying, the needles and cones were removed from the crown twigs and stored separately for future study. For twig samples, approximately 50 g of material was weighed into aluminum trays and the trays placed into a pottery kiln. The kiln temperature was raised incrementally over a 2-3 hour time period to a maximum of 470°C. This temperature was maintained for 12 hours at which time the vegetation had been reduced to about 1 g of ash without charcoal. One half of this ash was accurately weighed into polyethylene vials and submitted for instrumental neutron activation analysis. The second split of the ash was submitted for ICP-AES analysis subsequent to an aqua regia dissolution. Both analytical approaches to vegetation ashes were undertaken at Activation Laboratories Ltd. (Ancaster, Ontario). The aqua regia dissolution is a total digestion for most metals but is only partial for some elements (such as Ni and Zn). The element distribution patterns for elements that are only partially taken into solution by the aqua regia digest are considered to be valid since analytical precision for most elements is acceptable. Geochemical data is presented in Appendices V-1 (ICP-AES) and V-4 (INAA); duplicate pair geochemical data is given in Appendices V-2 (ICP-AES) and V-5 (INAA). Percentile bubble plots are presented in Appendices V-3 (ICP-AES) and V-6 (INAA).

Results

Ash

Ash contents in black spruce crown twigs are relatively consistent across the 1999 survey area with the exception of six sites within 5 km of Oxford Lake. These 100th-98th percentile responses occur at sites 120 (2.46%), 123 (2.59%), 129 (2.64%), 134 (2.35%), 137 (2.52%) and 223 (2.45%). The cause of the elevated ash content is unknown but could be related to anthropogenic particulate contamination from industrial activity near the community of Oxford Lake. The possibility exists that the ash content is an indirect indicator of metal content in crown twig samples.

Table 8. Essential and non-essential elements determined by INAA.

Element	Essential/Non-Essential/Comments
Au	Non-essential
Ag	Non-essential
As	Essential/metabolism of carbohydrates
Ba	Non-essential
Br	Non-essential
Ca	Essential/cell wall construction
Co	Essential/major nutrient fixation
Cr	Non-essential
Cs	Non-essential
Fe	Essential/photosynthesis, chlorophyll
Hf	Non-essential
K	Essential/metabolism
Mo	Essential
Na	Non-essential
Rb	Essential
Sb	Non-essential
Sc	Non-essential
Se	Essential
Sn	Non-essential
Sr	Essential
Ta	Non-essential
Th	Non-essential
U	Non-essential
W	Non-essential
Zn	Essential/carbohydrate and protein
REE	Non-essential

Table 9. Essential and non-essential elements determined by ICP-AES.

Element	Essential/Non-Essential/Comment
Al	Non-essential
B	Essential/plant growth, sugar translocation
Be	Non-essential
Cd	Non-essential
Cu	Essential/respiration, photosynthesis
Li	Essential/metabolism
Mg	Essential/photosynthesis, enzyme reaction
Mn	Essential
Ni	Non-essential
P	Essential/energy metabolism
Pb	Essential in small amounts/cell walls (?)
Ti	Essential/photosynthesis
V	Non-essential

Instrumental neutron activation analysis (INAA)

Au: The 100th percentile responses for Au are situated, in part, along a north-northwest-trending linear that was previously defined on the basis of rock chip, b-horizon soil (enzyme leach) and humus anomalies. This linear extended from the northern belt boundary to the shore of Knee Lake and was observed to parallel local drainage patterns which were developed at almost 90° to glacial flow directions. On the basis of local drainage direction on the south shore of Knee Lake and the presence of two 100th percentiles along this feature the fracture system is interpreted to continue in a southwesterly direction and is responsible for localizing 100th percentile responses at sites 284 (56 ppb) and 287 (47 ppb). Three 95th percentiles are localized along this linear on the north shore of the lake at sites 2 (31 ppb), 10 (40 ppb) and 58 (38 ppb). A two site

Au anomaly occurs at sites 40 (100th percentile; 54 ppb) and 39 (99th percentile; 43 ppb) close to the contact between granitic intrusive terrain to the south and mafic volcanic rocks to the north.

As: Elevated, low contrast As responses occur in several portions of the 1999 survey area. The 100th percentile occurs in the northeast corner of the area at site 25 in an area of no outcrop. West of Cinder Lake at or near the northern margin of the belt is a multisite cluster of 99th (sites 59, 4.5 ppm and 61, 4.5 ppm) and 98th (sites 60, 3.8 ppm and 82, 4.5 ppm) percentiles. In the southern portion of the survey area near the northern end of the Magill Lake intrusion, one 100th percentile occurs at site 246 (5.1 ppm) and two 99th percentiles occur at sites 272 (4.1 ppm) and 273 (4.1 ppm). These three sites are crudely aligned in a west-northwest direction.

Ba: Multisite Ba anomalies occur along the Southern Knee Lake Shear Zone (SKSZ) and at a couple of sites in the southern portion of the survey area. Within the strongly foliated rocks of the SKSZ, vegetation geochemical responses comprise 100th percentiles (site 305, 2800 ppm), a 99th percentile (site 294, 2200 ppm) and a 98th percentile at site 304 (1800 ppm). An isolated 99th percentile occurs at site 70 (2200 ppm). Two single site 100th percentile Ba responses occur at widely separated locations. Site 236 (3000 ppm) occurs within the interior of the Magill Lake intrusion in a relatively high outcrop area and site 259 (2500 ppm) occurs to the northwest of site 256 in the central portion of the survey area.

Br: Bromine responses in the 1999 survey area are scattered without any particular focus. Three 100th percentile responses are recognized at sites 75 (90 ppm) over a felsic volcanic sequence at the west end of Knee Lake, at site 349 (100 ppm) at Bayly Lake and at site 337 (85 ppm) south of a narrow belt of mafic and felsic volcanic rocks that extends eastwards from Oxford Lake. A cluster of 98th and 95th percentiles occur west of Cinder Lake at the northern margin of the belt.

Ca: The highest Ca contents for samples in the 1999 survey area are localized in the northeast corner where two distinctive groupings are recognized. Group 1 occurs at the northernmost sampling sites and is characterized by 100th percentiles at sites 27 (32.0%) and 49 (32.2%) with a 99th percentile at site 51 (31.7%) and 98th percentiles at sites 14 (29.9%) and 16 (30.4%). Sites 14, 16 and 51 are situated over a north-trending felsic volcanic sequence. Group 2 comprises multiple 98th and 95th percentile responses south of Cinder Lake to the shore of Knee Lake. Isolated single site 99th percentile Ca responses occur at sites 130 (31%) in the northwest corner and 257 (31.2%) in the south-central portion of the area.

Co: A distinctive grouping of elevated Co occurs in the northeast corner of the survey area along the northeast arm of the lake. The responses here comprise two 100th percentiles at sites 32 (32 ppm) and 38 (59 ppm) with a 99th percentile at site 35 (19 ppm) and a 95th percentile at site 96 (8 ppm). The 100th percentile responses are associated with sheared and rusty weathered basalt. A second cluster of high Co values is located near the western end of Knee Lake along strongly foliated rocks of the SKSZ. At this locality a 100th percentile is documented at site 209 (37 ppm) and is associated with a 98th percentile at site 207 (17 ppm). Isolated single site responses are located at sites 70 (18 ppm) and 237 (23 ppm). Site 237 is situated in the core of the Magill Lake intrusion.

Cr: The regional distribution of elevated Cr values appears to be spatially associated with the northern boundary of the belt between Cinder Lake and Oxford Lake. This trend is particularly well developed at sites 92 (18 ppm), 120 (20 ppm) and 129 (27 ppm) all of which are 100th percentiles; a 98th percentile occurs at site 90 (13 ppm). The southern margin of the belt is marked by a major high strain zone and a distinctive magnetic signature. A similar sheared northern margin may also be present. Isolated 99th percentiles are located at sites 37 (16 ppm; northeast) and 237 (23 ppm; core of Magill Lake intrusion).

Cs: Extraordinarily elevated Cs occurs in the northeast survey area where a multisite anomaly is developed. This anomaly comprises three 100th percentiles at sites 32 (50 ppm), 35 (46 ppm) and 43 (48 ppm) with two 98th percentiles at sites 34 (17 ppm) and 38 (22 ppm). A 98th percentile occurs at site 15 (18 ppm) over a north-trending felsic volcanic sequence. Isolated and widely spaced 99th percentile responses occur at sites 70 (40 ppm), 218 (42 ppm) and 281 (28 ppm); the periphery of the Magill Lake intrusion.

Fe: The distribution of Fe in ashed crown twigs of black spruce is very similar to that of Cr, both east and west of the south end of Cinder Lake. The northern boundary of the belt is marked by multiple 100th-95th percentile repsonses that form a linear east-west response. Interestingly, this pattern appears to continue to the east of Cinder Lake suggesting a possible contiuation of the high strain zone that is interpreted to occur at the northern boundary of the belt. An isolated 100th percentile occurs in the southeast corner of the survey area at site 6 (0.69%).

Hf: The variation in the concentration of Hf in the 1999 survey area is very similar to that for Fe in that low contrast responses, including 100th percentiles at sites 120 (1.4 ppm) and 129 (1.4 ppm) delineate the northern boundary of the belt. In other locations an area including the SKSZ and south of this high strain zone is marked by a 100th percentile response at site 322 (1.2 ppm), a 99th percentile at site 298 (1.2 ppm) and two 98th percentiles at sites 279 (1.0 ppm) and 315 (1.0 ppm). A single 99th percentile occurs in granitic intrusive terrain at site 277 (1.2 ppm).

K: The main sites of elevated K are associated with highly strained rocks within the SKSZ with two 100th percentiles at sites 294 (31.8%) and 323 (32%) as well as a 98th percentile at site 294 (31.8%). Elsewhere, single site 100th percentile anomalies occur at sites 71 (32.6%), 280 (33.4%) and 344 (35.1%). A 99th percentile occurs at site 45 (30.7%).

Mo: Responses throughout the survey area are low. The 100th percentiles occur at sites 97 (7 ppm) in the northwest corner of the survey area and at site 262 (6 ppm) near the high strain zone that marks the southern margin of the belt.

Na: The northern margin of the Knee Lake Belt is marked by a moderate to low contrast Na response similar in location and extent to the results for Fe, Cr and Hf. Isolated single site 100th percentile responses occur at sites 71 (6600 ppm) and 251 (4950 ppm).

Ni: The northeast portion of the survey area is marked by the presence of a multisite grouping of three 100th percentiles at sites 30 (170 ppm), 32 (220 ppm) and 34 (230 ppm) as well as two 98th percentiles at sites 29 (130 ppm) and 38 (140 ppm). Away from this site there is some suggestion that the northern margin of the belt is marked by elevated Ni contents, particularly west of Cinder Lake and at site 92 (99th percentile; 180 ppm) in the northwestern corner of the survey area. An isolated 100th percentile occurs at site 70 (240 ppm) in association with a silicified, carbonatized, rusty and light green weathering basalt with 3-5% disseminated pyrite and chalcopyrite.

Rb: The eastern periphery of the Magill Lake intrusion is marked by two 99th percentile responses at sites 281 (750 ppm) and 319 (830 ppm). Elsewhere in the 1999 survey area there are isolated single site responses (100th percentiles) at sites 70 (970 ppm; alteration and mineralization in basalt), 75 (870 ppm; felsic volcanic rocks) and 348 (940 ppm; granitic intrusive terrain west of Bayly Lake).

Sb: The bulk of the anomalous Sb responses in the 1999 survey area occur in the northern portion of the survey area where mafic volcanic rocks predominate over sedimentary rocks. The northeast corner of the area along the northeast arm of Knee Lake is marked by a 100th percentile at site 32 (1.4 ppm; no outcrop) and 99th percentiles at sites 35 (1.1 ppm; dark green weathering basalt with quartz-carbonate stringers and 3% disseminated pyrite) and 43

(1.1 ppm; pink-grey granite). South west of Cinder Lake a trend reminiscent of that defined in rock chip, b-horizon soil and humus geochemistry is developed for Sb. There is an approximately 5 km north-northwest trend that parallels local drainage patterns and comprises a 100th percentile at site 2 (1.8 ppm) and 98th percentiles at sites 1 (0.8 ppm), 59 (0.7 ppm) and 60 (0.7 ppm). An isolated single site 99th percentile response occurs at site 326 (1.1 ppm) in the south-central portion of the survey area. The Sb anomalies are of low contrast.

Sc: Results from the Sc vegetation analyses mimic those for Fe, Cr, Hf and Na in that they define an east-west-trending, low contrast, linear geochemical response that correlates to the north margin of the belt. This response comprises 100th percentiles at multiple locations along its length. Results from elsewhere in the belt are non-descript.

Sr: A 100th percentile (1500 ppm; site 13) occurs over a felsic volcanic sequence that hosts known massive sulphide-type mineralization. East of this response are two 98th percentiles at sites 49 (940 ppm) and 50 (1100 ppm). A single 100th percentile response occurs at site 114 (1300 ppm) on the north shore of Knee Lake and in association with an east-west-trending felsic volcanic sequence. The west end of Knee Lake is marked by a two site 99th percentile Sr response (sites 205; 1200 ppm and 248; 1200 ppm) as well as a 98th percentile at site 205 (1200 ppm). A 99th (site 321; 1200 ppm) and 98th (site 269; 1000 ppm) percentile response occurs at the north end of the Magill Lake intrusion.

Th: With the exception of a 100th percentile response at site 298 (1.6 ppm) within the SKSZ and a 99th percentile at site 6 (1.2 ppm) in the southeast corner of the survey area the dominant trend of anomalous Th occurs along the northern margin of the belt. This trend comprises high contrast responses along its length and is particularly well developed at the west end (sites 92,1.1 ppm; 120, 1.2 ppm and 129, 1.7 ppm) and in the area west of cinder Lake. This linear geochemical signature along the supracrustal/intrusive terrain contact has also been documented for Fe, Cr, Hf, Na and Sc.

U: The U responses from the 1999 survey area are very low and are not significant.

Zn: Elevated Zn responses are noted from several localities in the 1999 survey area. Two 100th percentiles occur west of Cinder Lake at or near the northern margin of the belt (sites 59, 3600 ppm and 60, 3400 ppm). A single site 100th percentile response occurs at site 20 (3500 ppm) over a north-trending felsic volcanic sequence that hosts known massive sulphide-type mineralization. Two 98th percentiles occur in the northeast corner of the survey area at sites 29 (3000 ppm) and 37 (3000 ppm). The site 29 response occurs in association with a green weathering, carbonate-altered gabbro with 1% disseminated pyrite confined to narrow fractures in the matrix. There was no outcrop in the area of site 37. A 99th and 98th percentile response was documented from sites 66 (3200 ppm) and 67 (3400 ppm) over an east-trending felsic volcanic sequence at the west end of Knee Lake. A single 100th percentile occurs at the north end of the Magill Lake intrusion (site 321, 5100 ppm). A 99th percentile is located south of the central portion of Knee Lake at site 325 (3400 ppm).

TREE: To some degree the TREE response mimics the linear geochemical trend that traces the interpreted highly strained northern margin of the belt. As in many of the other elements that define this anomaly, TREE responses are best developed at the west end of the zone as well as west of Cinder Lake with high (99th and 98th percentile) responses east of Cinder Lake at sites 37 (24 ppm) and 55 (20 ppm), respectively. Previously this trend was identified in data for Fe, Cr, Hf, Na, Sc and Th. Elsewhere in the 1999 survey area a single 99th percentile response occurs in the area south of Knee Lake at site 322 (23 ppm).

Inductively coupled plasma-atomic emission spectrometry (ICP-AES)

Ag: The Ag responses for the southern Knee Lake Belt are low. The most significant grouping appears to be on the southeast shore of Cinder Lake (site 52, 2.2 ppm) and east.

Cd: Cadmium responses in the 1999 survey area are low, however significant responses are observed in the west end of the area at six sites. In this area four 100th percentiles occur at sites 120 (5.5 ppm), 122 (6.5 ppm), 129 (4.2 ppm) and 130 (3.6 ppm) with a 99th percentile at site 121 (4.2 ppm) and a 98th percentile at site 127 (2.4 ppm). There is no outcrop associated with any of these responses. A single isolated 99th percentile response occurs at site 236 (3.9 ppm) in the core of the Magill Lake intrusion.

Mn: The highest Mn contents in the 1999 survey are located in the northeast corner of the area. This grouping includes a 99th percentile at site 56 (14840 ppm) in the general area of a north-trending felsic volcanic sequence that hosts massive sulphide-type mineralization. Further east, a multisite response is documented with a 100th percentile at site 37 (15760 ppm) and 98th percentiles at sites 29 (13780 ppm) and 31 (14740 ppm). Elsewhere, isolated single site 100th percentile responses are documented for sites 61 (14880 ppm; no outcrop) and 301 (15440 ppm; along the northeast arm of the lake). A 99th percentile occurs at site 284 (14580 ppm) along the southernmost portion of a linear geochemical trend that parallels local drainage and extends to the western end of Cinder Lake. Site 301 also occurs along this trend. Two 98th percentiles occur at the southwest end of Knee Lake at sites 201 (13360 ppm) and 207 (13290 ppm) within the SKSZ.

Mo: The range in concentration for Mo in ashed samples of black spruce crown twigs in the 1999 survey area is low. The 100th percentiles occur as single site, widely spaced anomalies at sites 32 (6 ppm), 147 (8 ppm) and 97 (6 ppm). Two 99th percentile responses occur in the southern portion of the survey area at sites 297 (4 ppm; SKSZ) and 319 (5 ppm; Magill Lake intrusion).

Ni: A multisite cluster of elevated Ni responses occurs in the northeast corner of the survey area. This anomaly comprises two 100th percentiles at sites 32 (269 ppm) and 34 (295 ppm), two 98th percentiles at sites 30 (202 ppm) and 38 (178 ppm) and two 98th percentiles at 29 (109 ppm) and 35 (107 ppm). Outcrop in the area is sparse but includes rusty weathering, mineralized and strongly foliated basalt and gabbro. An isolated single site anomaly occurs at site 70 (213 ppm) in association with a silicified, carbonatized and rusty-weathering basalt. Site 52 is characterized by a very fine-grained, chrome green weathering basalt with quartz-carbonate veinlets that are non-mineralized. A low contrast response comprising 95th and 90th percentiles occurs east of site 52 in association with a mineralized, north-trending felsic volcanic sequence. Other significant responses include 100th percentiles at sites 327 (2.3 ppm) and 335 (2.2 ppm).

Ba: The area southwest of Cinder Lake is marked by a four site cluster of elevated Ba responses that include a single 100th percentile at site 151, two 99th percentiles at sites 147 and 153 and one 98th percentile at site 154. There is no outcrop in the area of these responses. The area north of the west end of Knee Lake is marked by single 100th (site 149), 99th (site 75) and 98th (site 148) responses. A rusty weathering basalt is exposed in outcrop at site 149. An isolated single site 100th percentile response occurs at site 289 in the southeastern portion of the survey area.

Ca: The north-trending felsic volcanic sequence that hosts massive sulphide-type mineralization is marked by a two site anomaly comprising 100th and 99th percentile responses at sites 14 (25.39%) and 16 (22.36%). Two 100th percentile responses are recognized in the data and they occur at site 134 (23.68%) in the western portion of the survey area near Oxford Lake and at site 247 (23.74%) south of the west end of Knee Lake. A single 99th percentile response occurs along the northeast arm of Knee Lake at site 302 (22.92%).

Co: The anomalous Co responses in the 1999 survey area are concentrated in two areas. The northeast corner of the area comprises two 100th percentile responses at sites 32 (24 ppm) and 38 (40 ppm), one 99th percentile at site 35 (14 ppm) and a 98th percentile at site 36 (10 ppm). The second anomalous cluster occurs south of the west end of Knee Lake along the SKSZ. In this location a 100th percentile response at site 209 (28 ppm) is recognized in association with three 95th percentiles and a 98th percentile. A single 99th percentile response at site 237 (16 ppm) occurs within the core of the Magill Lake intrusion. Co responses in the 1999 survey area are low contrast.

Cr: Like the results for Co the Cr responses in the southern Knee Lake Belt are low contrast. The highest responses occur in the western end of the survey near Oxford Lake and for the most part close to or at the northern margin of the belt. In this area two 100th and two 99th percentiles are documented. A 100th percentile response occurs at site 37 (11 ppm) in the northeast corner of the survey area and a 99th percentile occurs north of the northern terminus of the Magill Lake intrusion.

Fe: The elevated Fe contents in the southern Knee Lake Belt are concentrated in sites that occur at or close to the northern boundary of the belt. This includes the area west of Cinder Lake as well as east as far as site 37. This trend is aligned with the contact between mafic volcanic and granitic intrusive terrain south of Seller Lake and as such its extension to the east seems plausible. Iron contents elsewhere in the survey area are non-descript.

K: The southern portion of the 1999 survey area is marked by higher K responses than in the volcanic rock-dominated northern portion of the area. Single site 100th percentiles occur at sites 255 (19.87%) and 344 (17.58%) in the central portion of the survey area. Two 98th percentiles and two 95th percentiles occur along the SKSZ. A 99th percentile at site 267 (17.23%) occurs within the core of the Magill Lake intrusion and a second 99th percentile is located at the southwest end of Magill Lake near the contact between sedimentary rocks and a thin belt of mafic volcanic rocks. An isolated 100th percentile occurs at site 45 (17.43%) in association with a dark green and rusty weathering basalt with several percent disseminated pyrite.

Mg: Unlike the K results from ashed vegetation analyses from the 1999 survey area the Mg results are higher in the northern, volcanic rock-dominated portion of the area. Two 100th percentile responses occur at sites 32 (5.84%) and 34 (5.72%) in the northeast corner of the survey area; two 98th percentiles (sites 43, 5.09% and 44, 5.03%) occur directly south of this response in granitic intrusive terrain. To the west site 56 (99th percentile; 5.34%) occurs in association with a felsic volcanic intrusion that hosts known massive sulphide-type mineralization. There is no outcrop in the area of this site. In the western end of the survey area a 100th percentile occurs at site 122 (5.77%; no outcrop).

Na: Elevated Na responses are recognized at sites 71 (100th percentile; 0.47%) and at adjacent site 70 (98th percentile; 0.21%). Outcrop at these two sites exposes rusty weathering, strongly foliated massive and pillowed basalt with up to 5% disseminated pyrite and chalcopyrite. A 100th percentile occurs in isolation at site 91 (0.47%) near the northern margin of the belt and a 99th percentile occurs in the same relative position in the west end of the survey area. In the southern portion of the belt a 100th percentile response is documented from site 251 (0.29%) just south of the west end of Knee Lake. Single site 99th percentiles occur at sites 234 (0.22%) and 5 (0.23%) near the southern highly sheared margin of the belt.

P: Enrichments in the P contents of black spruce crown twigs are noted in the area of the northeast arm of Knee Lake and at two sites along the SKSZ on the southern shore of the lake. The 100th percentiles are located at sites 34 (54510 ppm), 309 (55530 ppm) and 307 (50030 ppm) with 99th percentiles at sites 45 (47550 ppm) and 295 (47510 ppm). A single 99th percentile occurs at site 122 (46960 ppm) in the western survey area.

Sr: The 100th percentile responses for the Knee Lake Belt occur at site 13 (768 ppm) over a sequence of felsic volcanic rocks that host massive sulphide-type mineralization, at site 114 (770 ppm) over an east-west-trending felsic volcanic sequence mapped just north of the north shore of Knee Lake and at site 248 (908 ppm) located at the west end of Knee Lake. A 99th and 98th percentile response is documented from sites 205 (599 ppm) and 206 (583 ppm) south of the western end of the lake. A 99th percentile occurs at site 321 (609 ppm) near the northern end of the Magill Lake intrusion.

V: Vanadium concentrations in the 1999 survey area are concentrated along the northern margin of the Knee Lake Belt both east and west of Cinder Lake. This trend has been previously recognized for Al and Fe and may be reflecting alteration developed as a result of hydrothermal fluid flow at a rheologic boundary or the presence of unique and distinctive lithologies along this high strain zone. Elsewhere in the survey area a 99th percentile occurs at site 6 (10 ppm) in the southeast corner of the area.

S: Anomalous S in the 1999 survey area is concentrated in the northeast corner of the area where a 100th percentile occurs at site 26 (30040 ppm) and a 99th percentile at site 34 (27140 ppm). Multiple 98th and 95th percentile responses are associated with this area as well. A second grouping appears south of the west end of Knee Lake with a 100th percentile recorded at site 344 (32100 ppm), a 99th percentile at site 346 (26920 ppm) and a 98th percentile at site 208 (23200 ppm). A solitary 100th percentile occurs at site 351 (47510 ppm) near the contact between sedimentary rocks and a thin band of mafic volcanic rocks in the southeast portion of the area. The southeast tip of the Magill Lake intrusion is present in this area as well.

Cu: Significant clusters of high to moderate contrast Cu anomalies were documented from two areas in the 1999 survey area. The northeast corner is marked by three 100th percentile responses at sites 15 (300 ppm), 17 (298 ppm) and 34 (328 ppm) as well as a 99th percentile at site 33 (286 ppm). Site 15 is situated directly over a felsic volcanic sequence that hosts massive sulphide-type mineralization. The southwest end of Knee Lake is marked by the presence of a 100th percentile at site 210 (358 ppm) which is associated with multiple 95th and 98th percentile responses along the SKSZ.

Pb: Lead responses in the 1999 survey area tend to be low to moderate contrast. Significant responses are located west of Cinder Lake along the northern margin of the belt at sites 59 (22 ppm) and 82 (23 ppm) both of which are 100th percentile responses. Site 85 (13 ppm), west of site 82 along the northern belt margin, represents the initial northernmost response to a south-trending, linear anomaly that extends for approximately 5 km to the northern shore of Knee Lake. The highest response within this trend is a 99th percentile response at site 66 (19 ppm) in an area of no outcrop. East of Cinder Lake a 100th (site 55; 17 ppm) and 98th (site 56; 14 ppm) percentile response is associated with a sequence of felsic volcanic rocks that host massive sulphide-type mineralization. A further 100th percentile occurs at site 37 (27 ppm) in an area of no outcrop.

As: Elevated As responses occur at several localities in the 1999 survey area, however the responses are low contrast. A 100th percentile occurs on the south shore of Cinder Lake at site 52 (15 ppm). East of site 52 is a multisite cluster of 6 sites that comprise a 99th percentile at site 14 (13 ppm) and two 98th percentiles at sites 27 (13 ppm) and 33 (12 ppm). The response at site 14 is associated with a felsic volcanic sequence that hosts massive sulphide-type mineralization. An isolated 99th percentile response occurs southwest of Cinder Lake at site 68 (13 ppm) in an area of no outcrop. A low contrast north-trending linear response occurs near the west end of Knee Lake. This anomaly comprises 98th and 95th percentile responses. An isolated 100th percentile response occurs at site 92 (14 ppm) in the northwest corner of the area in an area of no outcrop. Another single site 100th percentile occurs at site 246 (14 ppm) on the northwest periphery of the Magill Lake intrusion.

Bi: An exceptional example of a regional Bi anomaly confined to a particular section of a greenstone belt is provided by the results for Bi. The northern portion of the 1999 survey area is characterized by an almost complete lack of elevated Bi. South of Knee Lake in terrain dominated by sedimentary rocks there are numerous sites of elevated Bi. A three site response occurs at sites 327 (100^{th} percentile; 110 ppm), 346 (99^{th} percentile; 104 ppm) and 344 (98^{th} percentile; 85 ppm). Southwest of this cluster is a single site 100^{th} percentile that occurs at site 265 (105 ppm) over a narrow east-trending mafic-felsic volcanic belt. A single 100^{th} percentile occurs at site 284 (115 ppm) along the southern portion of the north-northwestern trend that is interpreted to represent a fracture involved in the emplacement of a REE-enriched syenite at Cinder Lake. Two additional 99^{th} percentile responses occur at sites 237 (95 ppm) in the core of the Magill Lake intrusion and at site 272 (103 ppm) in the southeast portion of the area.

W: The distribution of W responses closely mimics the results for Al, Fe and V in that the elevated responses occur at or close to the northern margin of the belt. This trend comprises multiple 100^{th}-95^{th} percentiles and is best developed west of Cinder Lake. A 100^{th} percentile (65 ppm; site 67), two 99^{th} percentiles (63 ppm; site 20 and 61 ppm at site 114) and a 98^{th} percentile at site 66 (60 ppm) occur over an arcuate felsic volcanic sequence that extends from just east of Cinder Lake to the west end of Knee Lake along its north shore. A 100^{th} percentile is documented from the northern end of the Magill Lake intrusion at site 321 (90 ppm).

Zn: Elevated Zn responses occur at sites 20 (99^{th} percentile; 2220 ppm) and 14 (98^{th} percentile; 2063 ppm) in association with a north-trending sequence of felsic volcanic rocks. West of Cinder Lake there are multiple sites of elevated Zn at or close to the northern margin of the belt. These include a four sample moderate contrast cluster at sites 59 (2070 ppm), 60 (2067 ppm), 150 (1935 ppm) and 151 (1911 ppm). The only outcrop in the area is exposed at site 150 (a dark green and rusty weathering basalt with 1% disseminated pyrite). A 100^{th} percentile occurs at site 91 (2271 ppm) in an area of no outcrop. An east-trending felsic volcanic sequence mapped on the north shore of Knee Lake is marked by a 99^{th} percentile response at site 67 (2191 ppm) and two 98^{th} percentiles at sites 66 (2143 ppm) and 114 (2048 ppm). South of Knee Lake two 100^{th} percentiles are documented from sites 279 (2252 ppm) and 321 (3223 ppm). Site 321 occurs at the northern terminus of the Magill Lake intrusion. A 99^{th} percentile response occurs west of site 279 at site 325 (2205 ppm).

Al: Results for Al must be interpreted with caution since crown twigs are ashed in aluminum trays before acid dissolution or irradiation. Nevertheless, distinctive multisample responses are present in the data. The northern margin of the belt is marked by significantly elevated Al responses including 100^{th}-98^{th} percentiles. This trend continues east of Cinder Lake at sites 55 (99^{th} percentile; 0.42%) and further east to site 37 (100^{th} percentile; 0.47%).

Synthesis

The 1999 vegetation geochemical survey of the southern portion of the Knee Lake Belt has successfully demonstrated the association of single and multiple point geochemical responses with mineralized rock sequences and related alteration zones, unique geophysical signatures and lithologies. The technique has demonstrated the presence of residual exploration potential in overburden covered areas. Many of these responses reflect geochemical signatures defined with other geochemical sampling media.

Hosain (1999) has documented the numerous airborne and ground EM conductors in the southern Knee Lake greenstone belt and one of these zones, east of Cinder Lake contains up to 20 m of massive sulphide-type mineralization with low base and precious metal contents. The INAA and ICP-AES analysis of ashed black spruce crown twig samples has effectively delineated this zone on the basis of Cu, Pb, As, Co, Mg, Ca, Sr and lesser Cs anomalies. Moreover, the host felsic volcanic sequence that trends from east of Cinder Lake to the west end of Knee Lake is identified along the entirety of its strike length by single site anomalous responses for

numerous elements, including Zn. In this regard the vegetation geochemical technique has not only documented this lithologic unit as a 'unique' lithology but has identified geochemical 'hot spots' along its strike length.

East of Cinder Lake in the northeast corner of the survey area is a persistent multisite anomalous response for many of the elements that characterized the felsic volocanic sequence. These include Cu, Pb, Ni, Co, Sb, S, Cs, Mn and Mg in association with strongly foliated, rusty weathering basalt and gabbro with disseminated sulphides and post-depositional deformation producing a network of quartz-carbonate veinlets. The area should be reconnoitered on the basis of geological and new geochemical information for this site.

The Southern Knee Lake Shear Zone (SKSZ) has been identified as a transpressional shear zone and as such has significance as a regional metallogenetic feature. Multiple, high to low contrast vegetation geochemical anomalies for Cu, As, Co and P are observed to be associated with this feature and as such establishes this structure and any associated structures as an important consideration when exploring for structurally controlled mineral deposits. The vegetation geochemical results confirm previous anomalies based on rock chip, b-horizon soil and humus analyses and therefore represent a rapid and cost-effective method of surveying a prospective area.

A 15 km north-northwest trend that is developed southwest of Cinder Lake at the northern margin of the belt and continuing to the shore of Knee Lake may be extended an additional 10-15 km on the basis of vegetation geochemical anomalies and local drainage patterns. Anomalous concentrations of Au and Bi are noted along the 'southern' extension of this zone. The concept of a fracture system involved in the localization or emplacement of the REE-enriched syenite at Cinder Lake should be carefully examined.

A similar structural environment, possibly with associated unique lithologies and/or alteration facies, is recognized from geochemical data derived from rock chip, b-horizon soil, humus and vegetation. On the basis of these datasets the northern margin of the southern portion of the Knee Lake Belt is interpreted to be highly strained at a rheologic boundary. Vegetation geochemical anomalies are observed for Al, Fe, V, Sc, W, Th, total rare earth elements and to a lesser degree for Cr, Hf, Na, Pb and Zn. The presence of the base metal signature in this area might signal the presence of ore-related hydrothermal activity and the formation of mineralization along this zone or adjacent/related structures.

Metallogenetically, the Magill Lake intrusion may be significant in terms of REE-enriched lithologies but also for mobilising important quantities of precious metals from a sedimentary geological environment into structural settings that may be exploited. This mass intrudes sedimentary rocks that regionally can be demonstrated to be tremendously enriched in Bi (see discussion below). A common associate of base metal sulphides, Bi may signal the presence of a base metal enriched sedimentary pile with potential for mobilisation of base metals and associated precious metals. Vegetation geochemical anomalies for elements such as Cs, Rb, W and Sr might be expected in association with this intrusion but the recognition of Zn and As responses within and on the periphery of this large intrusion deserves consideration.

The distribution of Bi in vegetation in the 1999 survey area represents a classic example of regional differences in element concentrations in differing geological environments. The northern portion of the survey area is dominated by volcanic rocks whereas the southern portion is characterized by Bi-enriched arkosic and greywacke-type sedimentary rocks. Whether the original composition of these sediments was marked by a Bi enrichment or whether this feature has been superimposed by late residual fluids related to intrusive activity (Magill Lake intrusion ?) is unknown. Nevertheless, the absence of any significant Bi in the northern portion of the survey area and the elevated levels in the southern sediments is clearly depicted by the vegetation geochemical survey results.

The west end of the 1999 survey area is marked by very high ash percentages in the black spruce crown twigs. Ordinarily, particulate contamination would have the effect of diluting the geochemical signature by replacing ash with a silicate residuum. The west end of the belt has a marked enrichment of Cd in ashed black spruce crown twig samples suggesting that anthropogenic contamination from the nearby community of Oxford Lake is Cd-rich or that the elevated ash contents are indirect indicators of a base metal source for the high Cd. It should be noted that Cd contents throughout the survey area are small and only a very few ppm (in ash) separate the percentile intervals.

Recommendations and conclusions

This vegetation geochemical survey based on the INA and ICP-AES analysis of ashed samples of the crown twigs of the black spruce (Picea mariana) tree indicates:

1. geochemical flux in the ashed vegetation datasets define metallogenetically significant regional features as well as more localized bedrock point source mineralized zones, unique lithologies and anomalous magnetic and electromagnetic responses;

2. the vegetation geochemical responses are based upon the variation in concentration of essential and/or non-essential elements;

3. the coincidence of vegetation geochemical anomalies with those defined by the analysis of outcrop rock chip, b-horizon soil and humus samples suggests the relatively hostile, clay-rich surficial deposits that characterize the survey areas are not necessarily 'geochemically impenetrable' by the shallow root system of the black spruce tree;

4. the observation of coincident vegetation and outcrop rock chip geochemical anomalies indicates minimal dilution of vegetation geochemical response by particulate contamination;
5. the Knee Lake Belt is established as a metallogenetically significant area based on the large number of high contrast, multisample base and precious metal vegetation geochemical anomalies;

6. ground magnetic surveying coupled with geological mapping over the north-northwest-trending 'Cinder Lake Structure' should be undertaken to ascertain whether this is a bona fide structural feature with precious metal potential or a geochemical artifact;

7. detailed prospecting and geochemical surveys are recommended for the 1999 survey area with special attention given to multimedia geochemical anomalies coincident with deformation zones, geophysical conductors and demonstrated highly prospective lithologies.

ICP-AES Analyses - Ashed Samples.

Sample Site	UTM		Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	Ba	Bi	Ca	Co	Cr	Fe
	Easting	Northing	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	%
99BST-1	381338.32	6086855.25	1.8	0.25	127	4479	1	10	5	1152	0.12	5	219	40	22.35	1	5	0.16
99BST-2	379928.11	6087059.58	1.3	0.25	146	6399	1	65	6	1185	0.20	5	159	26	18.05	2	5	0.21
99BST-3	380864.52	6085155.70	1.2	0.80	118	3907	1	26	7	1170	0.22	5	196	45	20.84	2	5	0.24
99BST-4	385575.87	6057998.38	1.4	1.33	120	6521	1	36	9	1689	0.24	11	161	5	20.09	1	6	0.29
99BST-5	386340.97	6060776.00	0.9	1.36	118	7016	1	33	12	921	0.25	5	134	5	16.23	3	5	0.28
99BST-6	385118.63	6064597.68	1.6	1.58	181	6178	1	43	14	2126	0.41	10	147	5	18.33	2	8	0.50
99BST-7 Analytical Duplicate	380012.55	6085720.22	1.8	0.60	193	5570	1	54	1	1176	0.14	5	286	5	20.27	4	5	0.16
99BST-7 Analytical Duplicate	380012.55	6085720.22	1.8	0.51	189	5321	1	52	4	1126	0.14	5	258	5	19.51	5	5	0.16
99BST-8	381843.70	6085393.08	1.5	0.71	239	7849	2	68	7	1402	0.27	11	171	5	19.67	4	7	0.21
99BST-9	381226.37	6084881.63	2.0	0.95	238	11080	1	53	12	1782	0.24	5	294	5	20.22	2	6	0.30
99BST-10	380814.98	6083990.92	1.1	0.78	221	9579	1	53	5	1061	0.11	5	174	5	14.18	4	5	0.12
99BST-11	382124.73	6084199.82	1.3	0.96	163	7033	1	53	5	821	0.14	5	120	5	15.40	7	4	0.15
99BST-12 Analytical Duplicate	384139.45	6089907.45	1.0	0.97	99	4688	1	39	5	866	0.19	5	173	5	14.82	2	5	0.15
99BST-12 Analytical Duplicate	384139.45	6089907.45	1.6	1.01	144	6730	1	57	7	1262	0.28	5	214	5	22.03	3	7	0.22
99BST-13	385120.09	6089836.36	1.9	0.25	226	3150	1	20	5	1543	0.13	5	231	5	21.47	1	4	0.16
99BST-14	386060.67	6089790.62	1.8	0.92	163	6863	1	21	6	2063	0.14	13	286	5	25.39	1	5	0.18
99BST-15	385609.68	6088356.80	2.0	0.75	300	13150	1	187	8	1623	0.30	5	258	5	18.94	11	6	0.18
99BST-16	386107.09	6089134.20	1.6	0.74	229	6597	1	54	4	1269	0.12	5	212	5	22.36	6	4	0.15
99BST-17	386831.55	6088342.61	2.1	0.25	298	6350	1	25	6	1286	0.08	11	212	5	22.14	2	4	0.12
99BST-18	384402.98	6085799.86	1.2	0.69	121	14210	1	73	8	1551	0.22	5	210	5	18.17	3	6	0.20
99BST-19	383518.94	6085591.65	1.3	0.25	134	13120	1	80	7	1509	0.17	5	266	5	19.26	4	5	0.15
99BST-20	385498.35	6085864.44	2.0	0.95	195	8718	1	36	11	2220	0.16	5	226	5	19.26	2	5	0.23
99BST-21-1 Analytical Duplicate	384823.47	6085301.09	1.8	0.25	178	6729	1	101	7	1542	0.19	5	201	5	19.98	3	6	0.16
99BST-21-2 Analytical Duplicate	384823.47	6085301.09	1.3	1.19	261	10720	1	78	13	1885	0.23	5	151	5	19.50	3	7	0.25
99BST-22	383626.62	6084172.60	1.8	1.26	155	5631	1	68	9	924	0.19	13	289	5	20.91	6	5	0.18
99BST-23	382797.60	6083251.65	1.4	0.94	136	7045	1	52	7	1080	0.17	5	221	5	19.32	7	5	0.15
99BST-24 Analytical Duplicate	383922.80	6083064.31	2.2	0.25	209	5477	1	63	9	875	0.17	11	355	5	19.25	8	6	0.18
99BST-24 Analytical Duplicate	383922.80	6083064.31	2.0	0.90	204	5252	1	61	9	847	0.16	5	299	5	18.93	7	5	0.17
99BST-25	390069.10	6090107.94	2.0	0.25	132	13660	1	101	7	1153	0.16	5	227	5	18.74	5	8	0.16
99BST-26	389273.35	6089551.83	1.3	0.67	137	7681	1	58	6	1208	0.13	5	206	5	17.66	3	5	0.15
99BST-27	388381.58	6088845.50	1.5	0.79	100	3129	1	12	4	1088	0.10	13	188	5	21.12	1	3	0.15
99BST-28	391096.14	6090415.34	1.3	0.62	156	12950	1	68	6	1630	0.16	5	287	5	16.51	4	5	0.15
99BST-29	390765.20	6089215.18	1.5	1.00	187	13780	1	109	5	1790	0.19	5	255	5	18.78	6	5	0.15
99BST-30	389922.08	6088381.30	1.5	0.25	232	13440	1	202	6	1280	0.15	5	191	5	18.34	4	5	0.17
99BST-31	387776.64	6087871.04	1.8	1.17	214	14740	1	88	8	1693	0.15	5	300	5	17.25	6	5	0.17
99BST-32	389281.25	6087309.72	1.6	0.72	222	9877	6	269	6	1307	0.33	5	173	5	18.72	24	7	0.31
99BST-33	387035.08	6086978.20	1.8	0.51	286	4804	1	35	7	1829	0.17	12	282	5	18.91	2	5	0.21
99BST-34	388567.46	6086677.37	1.1	1.36	328	13530	3	295	6	1841	0.28	5	162	5	14.53	9	7	0.26
99BST-35	390865.79	6088176.15	2.1	1.20	315	9315	1	107	8	1335	0.16	5	208	5	21.09	14	5	0.15
99BST-36	390299.61	6087715.51	1.5	0.96	150	8595	1	59	6	1060	0.15	5	161	5	21.48	10	5	0.17
99BST-37	391242.83	6087718.12	1.4	2.16	154	15760	1	82	27	1866	0.47	5	255	5	16.91	3	11	0.51
99BST-38	392410.86	6087648.10	1.8	0.75	186	8621	1	178	7	1154	0.16	5	274	5	18.56	40	5	0.15
99BST-39	392898.97	6086971.53	1.6	0.53	188	5572	1	24	7	727	0.09	5	285	5	17.54	1	3	0.12

Sample Site	UTM		Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	Ba	Bi	Ca	Co	Cr	Fe
	Easting	Northing	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	%
99BST-40	392559.91	6086340.04	1.3	0.25	145	4864	1	28	7	1688	0.16	5	221	5	18.88	2	4	0.21
99BST-41-1 Analytical Duplicate	391167.56	6086589.75	0.9	0.97	180	11690	1	71	5	1672	0.12	5	208	5	16.52	3	5	0.15
99BST-41-2 Analytical Duplicate	391167.56	6086589.75	1.6	1.26	229	14570	1	59	9	1676	0.18	5	256	5	19.34	3	6	0.23
99BST-42 Analytical Duplicate	391238.39	6085940.29	1.6	0.78	121	6790	1	33	6	1067	0.14	5	108	5	16.46	5	4	0.15
99BST-42 Analytical Duplicate	391238.39	6085940.29	1.4	1.17	116	6556	1	41	6	1014	0.13	5	91	5	16.05	5	4	0.14
99BST-43	389804.68	6084999.49	1.9	0.70	192	5862	1	98	4	1175	0.18	5	162	5	20.02	9	4	0.14
99BST-44	389261.00	6083667.72	1.2	1.31	163	4719	1	38	17	1503	0.29	12	203	5	17.94	2	7	0.37
99BST-45	386653.33	6084343.11	1.1	1.37	162	4370	2	44	7	1174	0.10	5	181	5	13.75	2	5	0.16
99BST-46	385883.41	6083393.71	1.8	1.37	257	5451	1	69	8	1409	0.19	5	285	5	18.50	1	5	0.23
99BST-47	384919.22	6082875.51	1.6	0.83	235	4429	1	40	7	1546	0.09	5	291	5	18.89	1	3	0.14
99BST-48 Analytical Duplicate	383904.64	6082648.05	1.4	0.59	142	8648	1	56	5	1485	0.10	5	206	5	16.37	5	4	0.13
99BST-48 Analytical Duplicate	383904.64	6082648.05	1.5	0.93	159	9496	1	64	7	1653	0.13	5	211	5	17.72	5	5	0.15
99BST-49	388981.01	6090705.90	1.4	0.54	113	7662	1	16	9	1123	0.14	5	209	5	18.87	1	5	0.19
99BST-50	387427.39	6090166.15	1.2	0.88	117	6659	3	68	7	1074	0.26	5	207	5	18.70	5	5	0.20
99BST-51	385816.88	6087616.81	1.5	0.67	166	9596	1	60	7	1246	0.28	11	144	5	18.59	11	6	0.24
99BST-52	382575.20	6088407.01	2.2	0.88	146	5348	1	19	8	1490	0.17	15	248	5	22.75	2	4	0.21
99BST-53	381611.17	6087984.39	1.7	0.62	256	7935	1	67	4	1317	0.22	5	233	5	16.86	5	6	0.20
99BST-54	380446.70	6088630.40	1.3	0.54	124	5581	1	50	3	1118	0.11	11	130	5	18.79	5	4	0.13
99BST-55	384763.43	6089168.41	1.4	1.98	178	6962	1	64	17	1813	0.42	12	206	5	17.03	3	10	0.51
99BST-56	384593.57	6087985.36	1.3	1.36	162	14840	1	103	14	1623	0.32	5	163	5	11.66	3	8	0.36
99BST-57	380747.02	6088073.86	1.3	0.25	220	6724	1	53	4	1254	0.15	5	209	5	17.84	4	4	0.14
99BST-58	379201.36	6089481.35	1.0	0.70	105	6337	1	75	5	863	0.23	5	260	5	16.06	6	5	0.19
99BST-59	376870.52	6089445.37	1.4	2.25	142	11310	1	57	22	2070	0.33	5	278	5	16.34	2	6	0.42
99BST-60	377624.11	6088152.06	1.8	1.45	173	10790	1	102	10	2067	0.31	5	172	5	14.07	2	7	0.33
99BST-61	373483.58	6087490.54	1.3	2.18	114	14880	1	136	13	1835	0.35	5	183	5	15.37	2	8	0.35
99BST-62	374649.11	6089718.54	1.6	1.03	121	9664	1	92	8	1833	0.24	5	199	5	16.96	2	6	0.28
99BST-63	371851.38	6084985.15	1.5	0.25	143	7872	1	42	5	1464	0.11	12	177	5	21.49	2	4	0.12
99BST-64	370818.75	6084894.62	1.7	2.12	229	7812	1	103	17	1647	0.34	12	225	5	17.92	4	8	0.37
99BST-65 Analytical Duplicate	371421.23	6083690.52	1.0	0.54	141	6218	1	20	8	1273	0.12	10	236	5	17.14	2	4	0.16
99BST-65 Analytical Duplicate	371421.23	6083690.52	1.0	0.62	143	6261	1	21	9	1289	0.12	5	203	5	17.41	1	5	0.17
99BST-66	370239.75	6083375.40	1.4	2.17	111	5434	1	49	19	2143	0.28	11	269	5	18.89	2	7	0.37
99BST-67	369512.90	6082951.85	2.1	1.51	138	6790	2	65	15	2191	0.24	11	254	5	20.19	2	6	0.31
99BST-68	378482.32	6086547.36	1.4	0.81	152	8657	1	59	13	1821	0.23	13	212	5	17.59	1	5	0.23
99BST-69	378901.57	6085104.21	1.2	0.74	172	6579	1	64	5	1135	0.14	5	181	5	15.37	3	4	0.14
99BST-70-1 Field Duplicate	377176.25	6084802.55	1.3	0.95	150	8635	1	279	7	1350	0.29	5	127	5	13.28	14	7	0.16
99BST-70-2 Analytical Duplicate	377176.25	6084802.55	1.1	1.67	159	9154	1	307	6	1439	0.32	5	94	72	14.46	14	7	0.17
99BST-70-2 Analytical Duplicate	377176.25	6084802.55	1.1	1.57	159	9790	1	319	4	1501	0.32	5	75	64	15.06	14	9	0.17
99BST-71	375594.28	6084702.04	1.8	1.51	153	7541	2	47	4	1314	0.15	5	145	5	14.10	3	6	0.13
99BST-72	370123.86	6085972.41	1.3	1.33	175	8944	1	89	9	1247	0.20	10	147	5	15.71	8	6	0.20
99BST-73	370656.16	6087109.32	1.6	1.27	162	5548	1	58	15	1655	0.17	10	226	5	17.01	2	5	0.19
99BST-74	368347.58	6082970.14	1.4	1.47	150	11570	1	67	11	1598	0.17	5	173	5	17.49	5	6	0.23
99BST-75 Analytical Duplicate	367566.14	6083452.59	1.3	0.25	152	5551	1	23	7	1392	0.12	12	432	5	16.01	1	6	0.14
99BST-75 Analytical Duplicate	367566.14	6083452.59	1.3	0.56	148	5416	1	22	7	1361	0.11	5	451	5	15.90	1	5	0.14
99BST-76	366875.73	6082011.38	1.9	1.64	214	10580	1	68	6	1646	0.15	5	188	5	17.29	7	6	0.20
99BST-77	366237.10	6081599.59	1.6	3.54	182	11330	1	84	3	1532	0.08	5	280	5	13.40	3	5	0.11
99BST-78	368777.48	6081793.37	1.4	1.58	177	6464	1	63	5	884	0.18	5	329	5	16.22	3	5	0.17
99BST-79	369918.79	6081283.90	1.4	1.21	152	3509	1	55	7	879	0.14	5	211	5	17.98	3	5	0.20
99BST-80	371536.33	6081711.47	1.6	2.20	186	10490	1	98	5	1705	0.19	5	219	5	14.90	7	6	0.17
99BST-81	370746.10	6087688.00	1.3	1.50	208	8316	1	50	6	1397	0.14	5	155	5	14.98	2	5	0.19

Sample Site	UTM		Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	Ba	Bi	Ca	Co	Cr	Fe
	Easting	Northing	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	%
99BST-82-1 Analytical Duplicate	372516.50	6088851.06	1.8	2.38	166	12950	1	75	20	1692	0.44	11	208	5	17.07	4	9	0.53
99BST-82-1 Analytical Duplicate	372516.50	6088851.06	2.1	3.79	176	15450	2	84	26	1886	0.46	5	434	5	18.26	5	10	0.56
99BST-82-2 Field Duplicate	372516.50	6088851.06	1.3	2.70	157	11900	3	73	28	2375	0.42	5	191	5	11.90	3	10	0.50
99BST-83	372026.99	6090288.56	2.0	1.97	187	7085	1	23	8	1618	0.23	5	291	5	19.85	2	6	0.29
99BST-84	370517.90	6089778.24	1.3	2.00	140	7302	1	58	9	1774	0.21	5	222	5	18.16	2	6	0.26
99BST-85	370224.45	6088963.94	1.5	2.98	130	5821	1	41	13	1717	0.29	11	277	5	21.89	3	6	0.39
99BST-86	370086.72	6088310.03	1.2	1.33	197	8783	1	49	5	1735	0.12	5	217	5	16.93	4	5	0.17
99BST-87	365628.38	6087349.81	0.8	0.25	126	6860	2	50	3	1411	0.09	5	131	5	13.74	1	4	0.14
99BST-88	366652.68	6088345.47	1.8	1.73	162	12210	1	33	8	1531	0.20	5	264	5	17.94	6	5	0.24
99BST-89	359762.87	6089860.45	1.1	1.47	148	8494	1	78	7	1750	0.24	5	264	5	17.33	5	6	0.39
99BST-90	360419.16	6090713.89	1.5	1.35	156	13210	1	91	10	1830	0.34	5	174	5	17.79	4	8	0.36
99BST-91	367854.62	6089411.77	1.4	1.37	135	7794	1	33	10	2271	0.40	5	210	5	18.59	1	8	0.35
99BST-92	358969.17	6089064.02	1.4	1.50	248	12800	2	82	9	1896	0.48	14	124	5	21.36	5	13	0.56
99BST-93	360817.18	6089935.46	1.9	0.95	218	6797	1	76	5	1548	0.22	5	214	5	17.09	7	7	0.21
99BST-94	361334.61	6088793.40	1.3	1.04	146	6169	1	34	7	1482	0.19	11	249	5	17.88	1	5	0.24
99BST-95 Analytical Duplicate	359548.28	6088342.12	1.9	0.82	155	8137	1	48	5	1219	0.17	5	213	5	16.18	4	5	0.20
99BST-95 Analytical Duplicate	359548.28	6088342.12	1.7	0.86	152	8039	1	47	5	1199	0.16	5	211	5	15.97	4	5	0.20
99BST-96	360462.48	6087420.55	2.0	0.66	197	8716	1	57	4	1301	0.12	5	200	5	15.73	6	5	0.14
99BST-97	361670.11	6088011.47	1.4	1.48	141	8138	6	41	12	1767	0.23	5	159	5	15.63	3	6	0.30
99BST-98 Analytical Duplicate	360997.64	6086474.25	1.4	0.69	133	3969	1	74	4	774	0.15	12	399	5	16.96	2	4	0.16
99BST-98 Analytical Duplicate	360997.64	6086474.25	1.3	0.94	131	3797	1	49	5	744	0.16	5	273	5	16.56	2	4	0.17
99BST-99	366531.44	6089734.77	1.3	1.15	116	5061	5	38	7	1446	0.19	5	243	5	17.09	2	6	0.25
99BST-100	365660.55	6089907.35	1.5	1.03	168	8666	2	22	6	1514	0.16	5	233	5	15.94	1	5	0.22
99BST-101-1 Field Duplicate	364004.46	6090265.61	1.7	0.94	156	9877	1	43	7	1439	0.24	5	150	5	18.39	3	6	0.22
99BST-101-2 Field Duplicate	364004.46	6090265.61	1.7	1.08	211	11100	1	114	10	1680	0.31	13	274	5	17.92	5	7	0.27
99BST-102	365042.73	6085719.91	1.6	0.25	180	7072	1	39	4	1092	0.08	10	203	5	15.10	4	4	0.12
99BST-103	363623.14	6086658.21	1.5	0.97	216	7413	1	53	6	1200	0.16	5	213	5	15.31	7	5	0.21
99BST-104	365252.32	6088140.42	1.4	0.64	173	7403	1	46	3	1033	0.17	5	165	5	17.86	5	5	0.16
99BST-105	369243.39	6088065.28	1.5	1.08	157	9661	1	96	11	2009	0.33	5	299	5	16.83	3	7	0.37
99BST-106 Analytical Duplicate	369259.00	6087478.80	1.6	0.71	123	6278	1	43	9	1145	0.23	5	247	5	19.78	3	6	0.25
99BST-106 Analytical Duplicate	369259.00	6087478.80	1.6	1.38	115	6208	1	41	9	1123	0.19	5	348	5	18.79	2	5	0.22
99BST-107	367342.33	6086563.25	1.3	0.67	196	7079	1	57	4	1156	0.18	5	252	5	17.15	6	5	0.17
99BST-108	366150.70	6085252.06	1.7	0.79	168	8250	1	43	6	1469	0.17	5	199	5	18.60	2	6	0.17
99BST-109 Analytical Duplicate	368585.13	6084340.09	1.4	0.58	129	8963	1	51	5	1260	0.18	10	164	5	18.92	2	5	0.19
99BST-109 Analytical Duplicate	368585.13	6084340.09	1.4	0.68	133	9489	1	53	3	1320	0.17	5	201	5	19.36	3	6	0.19
99BST-110	365361.78	6084343.39	1.4	0.64	115	6017	1	34	5	1477	0.15	5	140	5	14.84	2	6	0.19
99BST-111	371414.93	6082844.68	1.2	1.16	205	7687	1	51	7	1522	0.16	10	251	5	16.22	2	6	0.22
99BST-113	374372.83	6082434.83	1.7	0.57	198	7115	1	50	1	1566	0.13	5	281	5	18.16	6	5	0.14
99BST-114	375612.85	6082701.79	1.7	3.05	120	3905	1	16	4	2048	0.14	5	209	5	17.79	1	4	0.19
99BST-115	376837.58	6083283.99	1.2	2.08	93	4609	1	21	8	1448	0.17	5	268	5	18.30	1	5	0.22
99BST-118	380435.24	6082526.84	1.2	2.69	209	6584	1	35	4	1591	0.11	5	243	5	14.54	1	5	0.16
99BST-120	356959.53	6089846.66	1.3	5.53	122	4471	1	42	11	1033	0.35	5	224	5	17.10	2	10	0.53
99BST-121	356420.52	6088346.81	1.8	4.17	215	7323	1	75	5	1632	0.23	5	225	5	17.52	4	7	0.25
99BST-122	355531.65	6086917.04	1.5	6.50	274	9380	1	101	6	2139	0.29	5	125	5	15.34	4	10	0.35
99BST-123	357174.69	6086097.90	1.6	1.68	135	7234	1	99	3	1280	0.21	10	183	5	22.13	7	6	0.19
99BST-124-1 Field Duplicate	362147.22	6090729.66	1.4	1.06	134	7985	1	61	3	1191	0.24	5	152	5	14.20	6	7	0.19
99BST-124-2 Field Duplicate	362147.22	6090729.66	1.4	1.95	115	6602	1	35	3	1211	0.17	5	177	5	14.91	2	6	0.19
99BST-125	362574.30	6088793.60	1.3	1.65	76	7370	1	17	4	1202	0.16	5	188	5	19.10	2	5	0.19
99BST-126	359632.73	6085112.70	1.2	1.01	170	8012	1	35	3	1609	0.16	5	227	5	17.43	2	6	0.16

Sample Site	UTM		Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	Ba	Bi	Ca	Co	Cr	Fe
	Easting	Northing	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	%
99BST-127	359088.91	6087067.02	1.3	2.37	120	8014	1	49	7	1053	0.23	5	187	5	14.44	4	8	0.21
99BST-129	354975.32	6089429.73	1.3	4.23	102	3203	2	26	6	884	0.42	12	201	5	18.27	3	16	0.67
99BST-130	358359.43	6088287.11	1.8	3.59	170	8127	1	52	7	1753	0.25	5	199	5	22.08	3	7	0.32
99BST-131	356359.18	6084946.56	2.1	1.58	233	5049	1	32	4	1688	0.10	5	297	5	14.32	1	5	0.16
99BST-132	352858.25	6086503.69	1.7	2.57	143	6357	1	34	8	2139	0.27	5	239	5	17.09	3	9	0.42
99BST-133 Analytical Duplicate	350961.55	6085671.72	1.6	1.90	184	7706	1	75	4	1669	0.13	5	244	5	17.86	2	5	0.20
99BST-133 Analytical Duplicate	350961.55	6085671.72	1.6	1.84	180	7523	1	74	2	1630	0.13	5	237	5	17.19	2	5	0.19
99BST-134 Analytical Duplicate	353845.36	6085793.03	1.9	2.42	204	7800	1	43	5	1033	0.24	5	234	5	24.28	6	6	0.25
99BST-134 Analytical Duplicate	353845.36	6085793.03	1.7	1.96	185	7321	1	38	5	958	0.22	5	207	5	23.08	5	6	0.23
99BST-135	354883.31	6084079.64	2.0	0.56	212	8139	1	55	2	1070	0.12	5	205	5	19.02	5	5	0.17
99BST-137	351850.75	6084320.15	1.6	1.00	126	3875	1	30	8	1674	0.19	10	194	5	17.67	1	6	0.30
99BST-138	352071.35	6085574.59	1.5	0.72	134	12760	1	61	7	1759	0.21	5	260	5	16.88	2	7	0.30
99BST-139	357564.78	6084160.24	1.6	0.62	226	8293	1	27	3	1373	0.11	5	171	5	19.58	4	5	0.13
99BST-140	363864.01	6082169.82	1.6	1.27	165	5536	1	42	11	1579	0.20	5	272	5	20.25	1	5	0.25
99BST-141-1 Field Duplicate	362142.99	6084076.48	1.7	0.76	149	12370	1	72	3	1355	0.13	5	240	5	18.87	5	5	0.14
99BST-141-2 Field Duplicate	362142.99	6084076.48	1.4	0.89	190	11790	1	90	5	1550	0.18	5	178	5	18.65	10	7	0.15
99BST-142	361255.11	6081288.51	1.3	1.33	227	8402	1	87	8	1575	0.23	5	283	5	17.72	6	6	0.24
99BST-143	362408.96	6082666.92	1.5	0.25	156	4145	1	28	6	1618	0.10	5	209	5	18.77	1	4	0.15
99BST-144 Analytical Duplicate	365789.89	6083994.83	1.4	0.85	124	5373	2	49	4	1350	0.18	5	199	5	16.74	3	7	0.16
99BST-144 Analytical Duplicate	365789.89	6083994.83	1.2	1.07	118	5188	1	48	2	1295	0.17	5	201	5	16.05	3	6	0.16
99BST-145	365012.13	6082425.90	1.5	0.95	152	5902	1	29	6	1403	0.18	5	218	5	20.29	2	5	0.25
99BST-146	388300.25	6089844.48	1.2	1.01	136	12500	1	79	11	2018	0.25	5	234	5	15.11	2	6	0.32
99BST-147	382347.59	6086399.71	1.2	0.57	83	5817	8	21	7	1471	0.17	12	411	5	20.39	1	4	0.21
99BST-148	373091.61	6084449.15	1.3	0.57	120	4125	1	29	2	997	0.13	5	399	5	17.65	4	4	0.13
99BST-149	370525.75	6084197.53	1.2	0.94	114	3699	1	16	6	1208	0.13	5	507	5	19.62	1	4	0.18
99BST-150	378340.48	6088920.71	1.1	0.90	120	10430	1	61	8	1935	0.19	5	199	5	12.60	1	5	0.25
99BST-151 Analytical Duplicate	379171.14	6087918.37	1.6	0.59	123	5970	1	24	6	1880	0.13	5	454	5	16.90	1	4	0.20
99BST-151 Analytical Duplicate	379171.14	6087918.37	1.9	1.15	125	6053	1	25	7	1911	0.14	5	592	5	16.84	1	4	0.21
99BST-152	375414.93	6088856.96	1.4	1.13	135	5920	1	51	11	1272	0.24	5	196	5	15.42	2	5	0.31
99BST-153	375984.68	6087777.88	1.7	1.54	154	10720	1	44	12	1805	0.27	5	404	5	19.09	2	6	0.35
99BST-154	376668.36	6087121.26	1.4	2.36	158	8445	1	44	7	1881	0.20	5	384	5	18.95	2	5	0.26
99BST-155	375877.60	6086516.58	1.4	0.88	136	8047	1	15	6	1733	0.14	5	267	5	18.38	2	5	0.18
99BST-156 Analytical Duplicate	373995.52	6086125.05	1.4	0.94	214	9641	1	43	6	1596	0.11	5	214	5	19.27	2	4	0.15
99BST-156 Analytical Duplicate	373995.52	6086125.05	1.6	0.99	217	10210	1	43	6	1652	0.11	13	274	5	19.92	2	4	0.15
99BST-157	372027.71	6087027.04	1.0	0.68	141	9521	1	59	10	1580	0.23	5	217	5	17.11	3	7	0.22
99BST-201	371334.99	6079065.23	1.5	0.25	141	13360	1	49	8	1326	0.13	5	197	5	17.48	4	5	0.15
99BST-202	370612.18	6078749.88	1.7	0.64	211	9167	1	42	4	1163	0.07	11	115	5	17.73	5	4	0.11
99BST-203	369733.49	6079116.31	1.6	1.29	248	12360	1	51	11	1822	0.14	5	119	5	16.27	4	5	0.21
99BST-204	368745.75	6078704.52	1.7	0.98	229	7028	1	46	7	1415	0.11	5	302	5	19.95	2	4	0.17
99BST-205	367736.72	6078107.25	2.1	1.20	163	5523	1	72	8	1448	0.14	5	150	5	21.11	2	5	0.22
99BST-206	366185.42	6077629.58	1.7	0.63	139	6599	1	81	7	1439	0.17	12	160	5	18.99	3	5	0.21
99BST-207	370205.14	6080422.95	1.7	1.30	177	13290	1	98	7	1663	0.13	5	92	5	18.01	13	6	0.18
99BST-208	365599.84	6076900.47	1.4	0.54	187	7535	1	77	8	1316	0.18	11	208	5	17.08	3	5	0.20
99BST-209	367275.47	6079004.52	1.0	1.14	228	11720	1	76	7	1388	0.18	5	136	5	15.91	28	5	0.19
99BST-210	367991.68	6079460.20	1.5	0.94	358	9435	1	55	5	1600	0.09	5	153	5	16.58	8	5	0.13
99BST-211	368856.57	6080449.74	1.6	0.52	213	6757	1	55	7	1528	0.16	5	366	5	17.60	4	5	0.21
99BST-212 Analytical Duplicate	367569.80	6080402.33	1.7	0.58	168	8161	1	100	8	1337	0.13	11	326	5	16.35	9	4	0.15
99BST-212 Analytical Duplicate	367569.80	6080402.33	1.6	0.54	162	7716	1	95	7	1281	0.13	5	210	5	15.71	9	4	0.15
99BST-213	365183.13	6079542.10	1.7	0.25	161	5838	1	45	6	1336	0.09	5	274	5	16.26	2	4	0.14

Sample Site	UTM		Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	Ba	Bi	Ca	Co	Cr	Fe
	Easting	Northing	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	%
99BST-214	360603.87	6076390.98	1.2	0.84	99	3092	3	17	6	1419	0.15	11	256	5	19.64	1	4	0.22
99BST-215	360976.40	6074963.41	1.3	1.31	139	8097	1	54	12	1353	0.34	5	276	5	18.83	3	8	0.32
99BST-216	360316.32	6077803.64	1.3	0.25	122	7448	1	51	7	1069	0.15	5	118	5	16.99	2	4	0.18
99BST-217	359631.41	6079022.59	1.5	0.84	145	4795	1	73	5	1275	0.11	5	109	5	16.26	3	4	0.16
99BST-218	363444.79	6074383.10	1.4	0.25	135	7094	1	57	6	864	0.11	5	308	5	16.07	5	3	0.11
99BST-219-1 Field Duplicate	367825.77	6068425.98	1.7	0.60	153	7215	1	60	8	1400	0.23	5	153	49	17.72	4	6	0.25
99BST-219-2 Field Duplicate	367825.77	6068425.98	1.4	0.86	209	7184	1	91	11	1738	0.27	5	154	61	17.50	3	8	0.22
99BST-220	368431.98	6067452.60	1.9	1.18	164	5928	1	83	10	1467	0.27	5	163	51	19.83	3	6	0.31
99BST-221	360246.41	6081552.52	1.6	1.37	187	4988	1	39	8	910	0.10	5	154	43	18.12	1	6	0.17
99BST-222	356447.39	6083211.54	1.8	0.83	147	5282	1	25	9	1693	0.22	12	310	14	22.28	1	6	0.30
99BST-223	355505.67	6083205.01	1.7	0.66	189	3111	1	25	5	1925	0.12	5	209	38	18.16	2	4	0.19
99BST-224	350117.78	6081716.84	1.6	1.74	185	10640	1	91	10	1404	0.26	5	208	52	18.20	11	7	0.31
99BST-226	350702.40	6083206.61	1.3	0.87	198	9973	1	76	11	1694	0.22	11	209	26	16.16	4	7	0.29
99BST-227	354277.47	6083205.79	1.9	0.65	154	5442	2	27	7	1305	0.12	5	182	73	14.37	3	5	0.18
99BST-228	355381.59	6075600.60	1.4	1.02	188	9855	1	88	5	1208	0.15	5	191	55	15.14	7	6	0.21
99BST-229	353986.25	6074843.74	1.5	0.87	187	7555	4	34	7	1831	0.10	5	140	53	17.85	2	5	0.18
99BST-230 Analytical Duplicate	355405.44	6076684.24	1.1	0.25	95	5073	2	35	9	946	0.23	5	188	71	16.86	3	6	0.28
99BST-230 Analytical Duplicate	355405.44	6076684.24	1.1	0.25	100	5334	2	37	8	995	0.24	5	202	74	17.79	3	6	0.29
99BST-230 Analytical Duplicate	355405.44	6076684.24	1.4	0.96	181	4802	3	43	10	1354	0.20	5	199	54	15.72	4	6	0.30
99BST-231	352016.78	6076101.86	1.3	0.61	107	6536	1	75	6	1203	0.17	5	179	84	20.06	7	5	0.18
99BST-232	353290.64	6078687.59	1.4	0.89	154	8882	1	32	8	1550	0.14	5	220	84	18.66	1	5	0.20
99BST-233	353080.39	6072997.78	1.9	0.80	121	8088	1	28	9	1603	0.21	5	268	24	21.27	2	6	0.28
99BST-234	352085.67	6071913.45	1.4	1.68	167	12080	2	78	15	1016	0.32	5	221	62	18.61	8	7	0.37
99BST-235	352971.33	6071021.91	1.6	0.73	130	7714	1	50	9	1194	0.17	5	327	49	20.34	2	5	0.23
99BST-236	375222.72	6068829.48	2.1	3.88	220	11870	1	55	8	1581	0.17	5	144	32	17.92	8	6	0.27
99BST-237	373322.15	6067669.32	1.8	1.57	199	11760	1	149	8	1825	0.33	5	143	95	15.82	16	10	0.25
99BST-238	372452.18	6069244.38	1.6	0.70	231	8681	1	78	11	1037	0.21	5	183	69	18.82	7	6	0.22
99BST-239	368922.50	6069508.74	1.7	1.31	112	7309	1	76	12	1152	0.21	5	234	30	19.84	8	5	0.26
99BST-240	370909.02	6070515.51	1.4	0.63	179	6289	1	41	4	994	0.13	5	283	32	21.20	2	4	0.14
99BST-241	372758.61	6071129.61	1.8	0.52	159	10190	1	108	6	1315	0.16	5	185	40	17.20	7	5	0.15
99BST-242	370633.94	6066046.81	1.3	1.10	159	10310	1	62	8	1268	0.12	5	203	24	14.62	4	5	0.18
99BST-243 Analytical Duplicate	373883.08	6066058.33	1.6	0.25	177	4543	1	29	1	1000	0.07	5	301	39	16.27	4	4	0.10
99BST-243 Analytical Duplicate	373883.08	6066058.33	1.4	0.59	179	4648	2	30	2	1023	0.08	5	294	44	16.62	4	4	0.10
99BST-244	374717.33	6075559.23	1.7	0.66	184	5132	1	70	2	891	0.13	5	241	27	19.48	3	4	0.12
99BST-245	373013.86	6074903.92	1.3	0.86	178	6564	1	58	6	948	0.16	5	194	24	16.27	4	5	0.15
99BST-246	375209.93	6072610.07	1.3	1.37	156	5602	1	35	7	1352	0.14	14	188	47	19.80	1	7	0.20
99BST-247 Analytical Duplicate	367223.27	6077159.70	1.6	0.53	152	6319	1	98	5	954	0.14	5	328	14	23.59	9	4	0.13
99BST-247 Analytical Duplicate	367223.27	6077159.70	1.8	0.93	153	6248	1	99	4	957	0.15	12	257	22	23.89	9	4	0.14
99BST-248-1 Field Duplicate	363998.87	6080166.06	1.3	0.98	173	3603	1	15	6	1085	0.10	5	196	52	15.13	2	4	0.18
99BST-248-2 Field Duplicate	363998.87	6080166.06	1.7	0.25	258	3839	2	13	6	1618	0.07	5	234	61	15.88	2	4	0.15
99BST-249	366434.90	6080165.02	1.6	1.58	206	9165	1	94	7	1843	0.15	5	165	66	19.10	8	5	0.18
99BST-251	369454.61	6077674.80	1.5	1.27	227	12110	1	60	8	1641	0.12	5	200	41	15.75	4	5	0.20
99BST-252	370212.70	6077226.07	1.4	1.41	145	4461	1	46	8	1235	0.12	5	179	36	15.35	3	5	0.20
99BST-253	369727.62	6076391.19	1.1	0.97	124	4651	1	32	10	1629	0.13	5	165	58	12.29	1	5	0.23
99BST-254	369294.01	6075027.52	1.3	1.46	187	6733	1	57	15	1498	0.20	5	205	55	14.78	4	6	0.32
99BST-255 Analytical Duplicate	369082.74	6074188.19	1.4	0.25	239	6113	1	144	11	1230	0.19	5	238	75	14.04	8	6	0.19
99BST-255 Analytical Duplicate	369082.74	6074188.19	1.5	0.82	254	6859	1	161	11	1356	0.20	5	342	42	16.14	8	7	0.19
99BST-256	372073.59	6075860.94	2.1	0.99	222	11300	1	65	5	1429	0.10	5	188	34	15.35	5	4	0.13
99BST-257	370578.92	6075052.05	2.0	1.26	225	12850	1	43	7	1582	0.18	5	210	22	22.88	4	5	0.20

Sample Site	UTM		Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	Ba	Bi	Ca	Co	Cr	Fe
	Easting	Northing	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	%
99BST-258	368572 08	6072950 08	1.1	1 01	182	9843	1	61	6	1377	0.16	5	234	73	17.36	5	5	0.17
99BST-259	367901 42	6074827 37	1 9	1 30	167	8425	1	56	7	1770	0.14	11	195	21	18.74	4	5	0.18
99BST-260	359223 52	6069883 78	1.3	1.12	178	7699	1	87	7	1408	0.18	5	140	82	15.68	6	6	0.25
99BST-261	360063 93	6069315 74	1.2	1.35	176	5799	3	83	8	948	0.26	5	205	90	14.35	7	8	0.27
99BST-262	355969 59	6070935 17	1.7	1.59	189	4812	1	34	11	2034	0.22	5	281	16	20.10	2	5	0.30
99BST-263 Analytical Duplicate	357994 39	6070646 49	1 6	0 63	160	4476	1	19	3	1205	0.08	12	245	5	19.29	2	4	0.12
99BST-263 Analytical Duplicate	357994 39	6070646 49	1 6	0 67	184	5241	2	22	3	1413	0.09	5	409	5	22.38	1	4	0.14
99BST-264	360989 77	6069149 40	1 4	1 89	141	6856	2	40	12	1215	0.31	5	255	63	16.26	3	7	0.38
99BST-265	361329 67	6072980 83	1 4	0 95	148	8015	2	62	7	1636	0.17	5	246	105	15.24	2	5	0.19
99BST-266	363559 03	6071022 97	1.3	0.52	173	5374	1	25	7	1760	0.16	5	288	49	16.88	1	5	0.24
99BST-267 Analytical Duplicate	377020 28	6069882 33	1 6	1 60	144	11410	1	50	6	1395	0.12	5	234	27	15.16	4	6	0.17
99BST-267 Analytical Duplicate	377020 28	6069882 33	1 7	0 81	141	11280	1	48	7	1373	0.12	5	210	26	15.31	4	5	0.16
99BST-268	379044 14	6070599 95	1 2	1 29	131	9153	1	90	9	1507	0.21	5	241	41	17.45	4	5	0.23
99BST-269	376364 81	6071760 41	1 5	1 30	112	6120	2	33	7	1674	0.16	5	299	43	21.38	1	6	0.22
99BST-270	377781 24	6066042 44	1.9	0.25	153	6091	2	52	4	1081	0.15	5	285	58	22.45	9	5	0.13
99BST-271	383858 83	6067703 50	1 2	1 06	167	5243	1	39	12	1551	0.22	5	263	47	17.31	2	6	0.28
99BST-272	384102 61	6068885 27	2 0	0 52	208	6867	1	37	5	1411	0.11	5	233	103	14.27	1	5	0.15
99BST-273	380547 15	6070612 20	1 8	1 30	238	6178	1	39	8	1310	0.14	5	268	58	18.48	2	5	0.20
99BST-274	382955 22	6071800 72	1 5	0 72	138	6924	1	34	11	1742	0.30	5	292	50	18.63	1	7	0.36
99BST-275	381967 41	6070087 68	1 6	1 17	129	4948	1	22	11	1701	0.18	5	274	67	16.66	1	6	0.24
99BST-276-1 Field Duplicate	385148 66	6077248 38	1 3	1 18	142	5311	1	37	11	1119	0.17	5	297	101	19.83	2	5	0.23
99BST-276-2 Field Duplicate	385148 66	6077248 38	1 9	1 19	158	4572	1	40	14	1404	0.20	11	299	5	24.20	2	5	0.27
99BST-277	386690 16	6081682 14	1 5	1 13	120	4508	1	22	16	1664	0.24	5	294	44	20.68	1	6	0.33
99BST-278	388023 91	6080577 61	1 5	1 32	110	4190	1	28	8	1723	0.14	5	120	70	19.30	1	10	0.21
99BST-279 Field Duplicate	376310 70	6077007 87	1 7	0 91	109	5097	3	19	11	2280	0.21	13	170	31	21.97	2	6	0.28
99BST-279 Field Duplicate	376310 70	6077007 87	1 5	0.25	108	4917	1	18	9	2223	0.21	5	164	49	21.68	2	6	0.27
99BST-280	384159 38	6073682 24	1 6	1 60	161	6255	1	19	8	1768	0.14	5	227	26	16.96	1	6	0.20
99BST-281	379124 40	6067728 11	1 8	0 64	188	6138	1	34	7	1020	0.15	5	184	49	23.55	2	5	0.19
99BST-282-1 Field Duplicate	382727 20	6079909 30	1 8	1 01	164	7867	1	34	11	1886	0.28	5	182	47	20.73	1	7	0.35
99BST-282-2 Field Duplicate	382727 20	6079909 30	1 2	1 00	177	11860	1	111	6	1399	0.29	5	117	82	17.19	5	8	0.22
99BST-283	382282 71	6077714 41	1 4	1 18	133	6596	1	67	13	1550	0.25	5	187	39	22.26	1	6	0.32
99BST-284	383840 14	6075866 88	1 4	0.73	153	14580	1	69	10	1555	0.25	5	177	115	16.40	1	7	0.30
99BST-285	382958 94	6074543 38	1.7	1.06	160	11950	2	60	11	2137	0.38	5	164	71	17.89	2	9	0.30
99BST-287	385938 09	6072538 35	1 4	0.73	129	5246	1	26	7	1317	0.16	5	151	28	21.46	1	5	0.20
99BST-288	384706 93	6071638 97	2.0	0.62	178	6686	1	22	5	1564	0.10	5	178	46	19.84	1	4	0.15
99BST-289 Analytical Duplicate	384447 42	6070035 32	1 4	0 64	121	8424	1	33	7	1817	0.16	5	158	41	18.29	2	5	0.21
99BST-289 Analytical Duplicate	384447 42	6070035 32	1.3	2.10	132	10700	1	38	3	2131	0.19	16	761	5	20.35	2	6	0.23
99BST-290	385875 21	6070091 77	1.5	0 86	164	6149	1	26	8	1538	0.18	5	177	65	20.56	2	5	0.23
99BST-291	386749 94	6071142 51	1.6	0.71	132	7191	1	16	7	1563	0.24	5	173	31	19.17	2	6	0.29
99BST-292-1 Field Duplicate	372658 22	6079359 51	1 4	0 91	125	6115	1	60	10	1262	0.16	5	155	52	16.91	2	5	0.23
99BST-292-2 Field Duplicate	372658 22	6079359 51	1.5	1.10	162	8909	1	108	8	1561	0.15	5	142	55	19.66	6	5	0.18
99BST-293	373332 21	6078856 12	1.5	1.38	169	6545	1	60	8	1078	0.19	5	176	31	19.14	4	5	0.23
99BST-294	374312 89	6078921 40	1.7	1.65	206	9193	1	77	8	1213	0.13	5	155	25	16.71	5	6	0.21
99BST-295	375182 62	6078624 03	1 4	0.25	176	7689	1	48	4	1308	0.13	5	110	71	16.66	4	5	0.15
99BST-296	376386 81	6078570 83	1.6	1.21	128	4537	2	48	8	1149	0.22	11	167	88	19.93	2	7	0.30
99BST-297	377606 00	6078057 09	1.9	0.51	142	3847	4	17	5	1459	0.13	5	121	51	17.90	1	5	0.21
99BST-298	377794 68	6079094 31	1 4	0.55	154	6068	1	26	4	1043	0.19	5	190	46	16.84	3	7	0.32
99BST-300	383601 49	6081754 27	1.9	0.25	173	7153	1	34	7	1197	0.10	5	214	23	20.63	1	4	0.14
99BST-301	382264 75	6081807 41	1.9	1.02	155	15440	1	67	3	1640	0.12	5	185	60	19.55	4	5	0.12

Sample Site	UTM		Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	Ba	Bi	Ca	Co	Cr	Fe
	Easting	Northing	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	%
99BST-302-1 Field Duplicate	381825.16	6080640.92	1.3	1.23	106	5575	1	46	8	1192	0.16	5	134	36	22.98	1	5	0.23
99BST-302-2 Field Duplicate	381825.16	6080640.92	1.5	0.99	104	5560	1	46	10	1181	0.15	5	154	28	22.85	1	6	0.23
99BST-303	381419.93	6079292.48	1.5	0.25	185	7746	2	113	7	1459	0.37	5	145	89	16.56	8	8	0.24
99BST-304	379828.87	6079816.74	1.4	1.45	140	11120	2	73	8	1125	0.17	5	128	47	19.87	5	6	0.24
99BST-305	373257.01	6080611.99	1.7	1.30	150	5017	1	53	5	1148	0.14	5	152	43	18.39	8	4	0.16
99BST-307	376118.15	6080021.19	1.5	0.74	186	3256	3	18	6	1583	0.10	5	203	79	15.92	1	5	0.18
99BST-308	378593.33	6079122.68	1.8	1.66	171	8933	1	57	9	1263	0.21	5	170	32	16.58	10	5	0.24
99BST-309	379412.18	6081620.51	1.7	0.25	250	5792	1	11	2	1643	0.05	5	184	66	14.77	1	4	0.11
99BST-314-1 Field Duplicate	380441.27	6077362.52	1.8	0.59	161	9007	1	144	5	1478	0.20	5	123	89	17.10	6	6	0.15
99BST-314-2 Field Duplicate	380441.27	6077362.52	1.6	0.76	149	8265	2	98	1	918	0.19	5	151	93	17.50	6	6	0.12
99BST-315	379424.91	6076667.36	1.7	0.59	153	10210	1	79	7	1780	0.31	5	122	50	19.53	6	8	0.21
99BST-316 Analytical Duplicate	378083.67	6075976.30	1.6	1.21	118	7828	2	39	8	1563	0.20	5	186	29	18.72	1	6	0.27
99BST-316 Analytical Duplicate	378083.67	6075976.30	1.7	1.17	127	8351	2	42	10	1653	0.21	15	211	28	19.77	1	6	0.28
99BST-317 Analytical Duplicate	378975.05	6075002.82	1.4	0.75	142	6715	1	62	8	1669	0.16	5	222	56	17.95	2	5	0.21
99BST-317 Analytical Duplicate	378975.05	6075002.82	1.4	0.86	146	6785	1	60	7	1712	0.16	5	252	54	18.18	2	5	0.21
99BST-318	374081.75	6076384.00	1.5	0.87	149	7443	1	57	6	1426	0.15	5	122	18	17.33	3	5	0.20
99BST-319	377992.28	6071532.08	1.6	0.97	163	5136	5	23	4	1548	0.11	5	136	77	17.75	1	5	0.18
99BST-320	378032.77	6073502.62	1.4	0.25	147	13260	1	33	5	1877	0.08	5	183	64	17.17	1	5	0.15
99BST-321	376343.39	6073660.05	1.4	0.69	66	6290	3	18	7	3223	0.13	11	209	49	18.40	1	5	0.20
99BST-322	376788.52	6076148.06	1.4	1.66	113	8825	1	53	10	1198	0.37	13	185	46	18.32	3	11	0.32
99BST-323	374135.50	6077562.68	1.5	1.20	167	7422	3	69	4	1058	0.29	5	163	65	14.31	6	8	0.26
99BST-324	371909.21	6077077.66	1.4	0.59	122	11970	1	29	7	1516	0.14	5	145	68	18.69	1	5	0.18
99BST-325	371394.88	6077468.54	1.8	0.96	120	4920	1	19	8	2205	0.19	5	215	24	22.40	1	5	0.26
99BST-326	367010.80	6076322.95	1.7	1.45	123	11800	1	64	7	1387	0.24	5	197	31	19.54	4	6	0.22
99BST-327	365544.89	6075097.76	2.3	1.11	197	9867	1	63	10	1920	0.25	5	145	110	16.57	5	8	0.25
99BST-328	366630.37	6073449.41	1.7	1.98	130	3575	2	37	7	1122	0.16	5	152	59	19.01	1	7	0.13
99BST-329-1 Field Duplicate	373524.62	6072776.30	1.4	1.12	157	7221	1	69	9	1257	0.27	5	160	64	16.49	6	7	0.26
99BST-329-2 Field Duplicate	373524.62	6072776.30	1.4	1.29	135	8083	2	67	12	1098	0.32	5	201	92	16.05	5	7	0.32
99BST-330 Analytical Duplicate	373090.65	6073609.38	1.8	1.23	125	6156	2	28	8	1660	0.25	5	213	54	18.66	1	7	0.29
99BST-330 Analytical Duplicate	373090.65	6073609.38	1.9	1.14	130	6730	1	30	9	1822	0.23	5	266	44	20.06	1	6	0.29
99BST-331	372325.83	6073335.34	1.6	0.51	194	8330	1	51	4	1406	0.15	5	159	56	19.23	4	6	0.19
99BST-332	371343.79	6071847.26	2.0	0.78	147	6713	1	32	1	1127	0.13	5	183	48	19.26	2	4	0.16
99BST-333	356400.44	6074585.89	1.6	0.80	126	7479	1	60	4	1431	0.13	5	138	66	19.07	2	5	0.18
99BST-334 Analytical Duplicate	353630.41	6074080.73	1.6	0.55	135	7074	1	22	3	1234	0.20	5	188	40	18.40	3	7	0.21
99BST-334 Analytical Duplicate	353630.41	6074080.73	1.7	0.25	135	7230	1	23	1	1247	0.20	5	211	28	18.68	3	6	0.21
99BST-335	354026.13	6072263.97	2.2	0.71	164	8230	1	48	4	1452	0.17	5	115	76	21.01	1	6	0.18
99BST-336	356175.52	6073162.11	1.6	0.93	205	5405	1	23	7	1513	0.22	5	116	63	18.74	2	6	0.30
99BST-337	358516.43	6071531.39	1.4	0.81	127	7613	1	74	4	1398	0.24	5	183	31	18.72	6	7	0.22
99BST-338	358097.38	6073183.12	1.3	0.25	174	8583	1	54	1	1171	0.12	5	147	78	15.81	6	6	0.14
99BST-339	358101.16	6077722.60	1.3	0.25	207	10110	1	57	1	1268	0.13	5	132	66	14.87	7	5	0.15
99BST-340	360792.23	6079576.49	1.9	0.25	273	4623	2	54	1	1472	0.07	5	111	52	18.02	3	4	0.12
99BST-341	363366.15	6079087.77	1.8	1.24	128	3716	1	25	9	1647	0.16	5	137	20	21.17	1	5	0.23
99BST-342	361709.41	6079470.25	1.6	0.66	174	9921	1	35	7	1512	0.18	5	176	71	17.23	2	6	0.21
99BST-343	365228.31	6078367.51	1.6	1.01	124	13180	1	32	7	1637	0.16	5	132	5	19.28	3	6	0.21
99BST-344	364266.45	6076224.84	1.1	0.25	181	8753	1	133	1	1346	0.11	5	102	85	12.58	10	5	0.16
99BST-345	362453.17	6075416.23	1.9	0.70	126	5397	1	26	6	1552	0.19	12	181	5	22.94	1	5	0.24
99BST-346	363508.62	6077282.57	1.4	0.59	122	13530	1	60	6	1848	0.16	5	120	104	17.65	1	6	0.22
99BST-347	390123.06	6073013.81	1.3	0.77	129	7519	1	36	5	1745	0.12	5	132	70	15.00	1	5	0.16
99BST-348	386609.32	6076034.47	1.8	0.63	215	6841	1	29	3	1587	0.11	5	100	73	18.39	3	5	0.19

Sample Site	UTM		Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	Ba	Bi	Ca	Co	Cr	Fe
	Easting	Northing	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	%
99BST-349	394290.85	6073197.89	1.3	1.63	200	6900	1	81	5	1554	0.15	5	143	67	16.91	4	6	0.19
99BST-350	381237.22	6069551.39	1.7	0.54	163	7956	1	29	4	1398	0.16	5	141	39	19.16	2	5	0.16
99BST-351	377332.39	6064774.37	1.4	0.90	147	7673	1	45	1	1501	0.09	5	69	63	16.59	2	5	0.13

Sample Site	K	Mg	Na	P	Sr	V	W	S
	%	%	%	ppm	ppm	ppm	ppm	ppm
99BST-1	12.61	4.08	0.08	26440	426	3	30	19460
99BST-2	15.79	3.56	0.06	27750	147	4	33	21070
99BST-3	10.75	4.18	0.11	21530	272	5	34	11110
99BST-4	8.99	2.49	0.09	18040	202	6	48	9060
99BST-5	9.30	2.29	0.23	18300	296	6	23	9349
99BST-6	11.65	3.18	0.12	27950	293	10	57	14290
99BST-7 Analytical Duplicate	14.53	4.30	0.17	29040	557	4	33	10820
99BST-7 Analytical Duplicate	13.87	4.14	0.15	27890	539	3	29	10300
99BST-8	10.87	5.28	0.08	30440	247	4	41	20300
99BST-9	10.19	3.06	0.09	18950	177	5	48	13280
99BST-10	13.89	3.10	0.14	20810	163	3	28	19140
99BST-11	8.66	2.99	0.08	19900	213	3	23	14410
99BST-12 Analytical Duplicate	7.48	2.62	0.05	16150	188	3	26	10380
99BST-12 Analytical Duplicate	10.74	3.86	0.08	22910	278	5	35	14440
99BST-13	11.52	4.40	0.16	24170	768	4	46	10990
99BST-14	12.10	4.37	0.09	29950	377	4	56	17340
99BST-15	14.27	4.51	0.12	37780	263	3	44	12260
99BST-16	10.03	4.10	0.07	26440	156	3	35	11270
99BST-17	12.19	3.24	0.06	23990	252	2	34	20300
99BST-18	12.33	3.40	0.08	30960	119	4	42	18880
99BST-19	11.10	3.18	0.05	28670	142	3	42	15650
99BST-20	10.59	3.49	0.05	27620	323	4	63	17040
99BST-21-1 Analytical Duplicate	12.19	4.11	0.05	33980	196	3	45	12250
99BST-21-2 Analytical Duplicate	11.05	3.79	0.06	31570	235	5	54	24140
99BST-22	10.60	2.81	0.08	19650	400	4	25	10880
99BST-23	14.24	3.92	0.06	33460	187	3	26	18080
99BST-24 Analytical Duplicate	14.37	4.45	0.08	27920	329	4	23	17870
99BST-24 Analytical Duplicate	13.88	4.33	0.08	27200	323	4	21	17420
99BST-25	13.98	3.33	0.07	31420	167	3	31	19850
99BST-26	14.44	4.47	0.07	28540	228	3	31	30040
99BST-27	9.29	3.00	0.04	21040	246	3	27	24560
99BST-28	14.00	3.69	0.04	33420	160	3	44	18420
99BST-29	10.71	4.54	0.03	35080	172	3	51	16760
99BST-30	13.70	3.94	0.05	28990	139	3	36	23100
99BST-31	15.44	3.97	0.06	31320	192	3	44	14340
99BST-32	8.35	5.84	0.13	35400	153	6	35	18020
99BST-33	14.69	3.75	0.07	36790	382	5	48	16690
99BST-34	13.95	5.72	0.09	54510	89	5	51	27140
99BST-35	12.92	3.17	0.06	30910	229	3	34	17820
99BST-36	11.13	3.08	0.05	30440	283	4	27	18060
99BST-37	11.49	3.81	0.15	22780	189	11	55	14910
99BST-38	11.67	3.69	0.05	27510	221	3	32	13840
99BST-39	12.60	3.23	0.11	18750	216	2	19	17550

Sample Site	K	Mg	Na	P	Sr	V	W	S
	%	%	%	ppm	ppm	ppm	ppm	ppm
99BST-40	10.63	3.92	0.14	26620	226	4	47	21240
99BST-41-1 Analytical Duplicate	15.14	3.38	0.06	35650	111	3	49	25950
99BST-41-2 Analytical Duplicate	12.40	2.99	0.07	29480	96	4	46	18950
99BST-42 Analytical Duplicate	16.74	3.94	0.06	35120	549	3	25	24990
99BST-42 Analytical Duplicate	16.08	3.84	0.05	33680	540	3	28	23960
99BST-43	11.20	5.09	0.05	25180	347	3	32	17570
99BST-44	12.27	5.03	0.09	30930	596	8	43	15100
99BST-45	17.43	4.12	0.07	47550	303	3	32	23150
99BST-46	11.08	3.59	0.05	26650	244	5	40	12690
99BST-47	14.33	2.62	0.04	30070	258	3	42	16330
99BST-48 Analytical Duplicate	13.66	4.21	0.04	31930	179	2	45	24710
99BST-48 Analytical Duplicate	15.11	4.70	0.05	36180	191	3	45	25430
99BST-49	12.68	3.97	0.11	33720	346	4	30	14970
99BST-50	9.62	4.06	0.06	22140	376	4	30	11460
99BST-51	13.39	4.01	0.07	24650	416	5	33	14370
99BST-52	11.21	2.55	0.06	21230	335	5	43	15900
99BST-53	15.45	4.32	0.07	32960	243	4	38	16060
99BST-54	13.40	3.39	0.06	33820	270	3	31	14390
99BST-55	11.97	4.25	0.09	25460	169	11	53	12720
99BST-56	13.14	5.34	0.06	33590	95	7	50	16090
99BST-57	10.55	4.17	0.04	32680	301	3	33	9623
99BST-58	12.65	3.82	0.05	30090	249	4	24	9674
99BST-59	9.04	3.44	0.09	17580	122	7	61	10390
99BST-60	12.00	4.72	0.08	24550	102	7	58	15300
99BST-61	12.62	4.11	0.08	27020	120	8	52	10930
99BST-62	12.27	4.33	0.07	26180	150	6	53	10230
99BST-63	10.46	2.96	0.05	24040	171	3	42	12470
99BST-64	12.23	4.22	0.14	31030	330	7	45	10110
99BST-65 Analytical Duplicate	13.28	4.35	0.08	35890	252	3	34	10720
99BST-65 Analytical Duplicate	13.78	4.40	0.08	35880	256	3	36	11540
99BST-66	12.00	3.48	0.10	30270	471	8	60	12680
99BST-67	11.32	3.05	0.12	25870	462	6	65	12120
99BST-68	12.18	3.52	0.10	28690	131	5	49	14480
99BST-69	13.64	3.19	0.04	28010	268	3	30	19630
99BST-70-1 Field Duplicate	12.82	4.85	0.09	29290	234	3	38	15680
99BST-70-2 Analytical Duplicate	14.16	4.84	0.20	33020	225	4	40	18400
99BST-70-2 Analytical Duplicate	14.87	5.07	0.22	34260	237	4	41	18850
99BST-71	15.36	4.06	0.47	46270	298	3	38	16450
99BST-72	12.97	2.97	0.05	35070	226	4	33	11780
99BST-73	12.58	3.65	0.06	28050	278	4	47	10020
99BST-74	12.34	4.47	0.07	37370	223	4	46	12680
99BST-75 Analytical Duplicate	16.70	4.44	0.06	45680	150	3	43	14570
99BST-75 Analytical Duplicate	16.14	4.38	0.05	44680	148	3	36	14410
99BST-76	12.84	3.88	0.06	40130	200	4	47	17920
99BST-77	13.03	3.88	0.02	45400	110	2	43	13250
99BST-78	13.26	3.51	0.04	30580	176	3	23	10980
99BST-79	13.62	3.86	0.05	29280	337	4	24	18800
99BST-80	14.22	4.47	0.05	38700	243	3	50	15840
99BST-81	12.93	4.32	0.05	36180	197	3	40	13950

Sample Site	K	Mg	Na	P	Sr	V	W	S
	%	%	%	ppm	ppm	ppm	ppm	ppm
99BST-82-1 Analytical Duplicate	11.61	2.91	0.17	18920	213	11	49	10340
99BST-82-1 Analytical Duplicate	13.04	3.20	0.19	21380	235	12	54	11720
99BST-82-2 Field Duplicate	13.49	4.44	0.08	26400	141	10	74	17380
99BST-83	11.80	2.76	0.07	23680	259	6	43	11670
99BST-84	12.12	3.97	0.06	25660	235	5	48	16730
99BST-85	10.10	2.81	0.05	20730	321	8	47	11420
99BST-86	12.50	4.96	0.03	30640	239	3	48	16060
99BST-87	14.14	3.59	0.03	31830	82	2	41	21540
99BST-88	12.72	3.21	0.03	20630	345	4	46	9972
99BST-89	11.89	3.91	0.08	29160	206	5	52	16140
99BST-90	11.55	3.90	0.07	31100	195	7	52	17350
99BST-91	12.48	3.23	0.47	25490	218	9	66	11130
99BST-92	6.67	4.45	0.27	42980	389	11	52	11540
99BST-93	12.81	3.96	0.04	28780	393	4	45	7294
99BST-94	11.37	2.67	0.04	20430	241	5	43	7100
99BST-95 Analytical Duplicate	12.61	4.25	0.05	25630	153	4	32	11870
99BST-95 Analytical Duplicate	12.42	4.14	0.05	25180	152	4	33	12270
99BST-96	12.71	3.32	0.04	36280	210	3	33	11780
99BST-97	12.41	3.17	0.06	24880	345	6	50	18980
99BST-98 Analytical Duplicate	11.91	2.99	0.03	22820	251	3	22	12850
99BST-98 Analytical Duplicate	11.49	2.91	0.04	21740	242	3	18	11980
99BST-99	12.17	2.57	0.05	27580	241	5	39	9382
99BST-100	11.13	4.50	0.05	27300	235	4	44	15770
99BST-101-1 Field Duplicate	10.56	2.96	0.05	27160	198	5	37	9860
99BST-101-2 Field Duplicate	12.60	4.05	0.06	33340	186	5	45	7800
99BST-102	15.42	4.11	0.04	36160	155	2	29	16320
99BST-103	13.20	5.31	0.04	40590	230	4	32	11250
99BST-104	13.92	2.67	0.03	30830	301	4	28	10530
99BST-105	11.36	3.41	0.07	26020	144	7	58	13970
99BST-106 Analytical Duplicate	11.32	2.88	0.05	19710	300	5	33	14940
99BST-106 Analytical Duplicate	11.19	2.79	0.05	19320	289	4	26	15080
99BST-107	12.40	3.52	0.04	23120	189	3	30	12350
99BST-108	12.09	3.77	0.04	28600	200	3	39	14470
99BST-109 Analytical Duplicate	11.59	4.49	0.06	28450	267	4	31	18140
99BST-109 Analytical Duplicate	12.14	4.69	0.07	29730	276	4	31	18780
99BST-110	13.27	4.41	0.05	40220	360	4	41	16070
99BST-111	13.98	4.10	0.07	42030	198	4	41	12260
99BST-113	12.63	3.92	0.04	35890	202	3	43	15810
99BST-114	12.22	4.00	0.04	23960	770	4	61	14950
99BST-115	10.93	3.98	0.05	23320	285	4	39	15470
99BST-118	13.66	3.82	0.03	32000	191	3	46	19250
99BST-120	9.63	2.80	0.08	17810	264	9	27	13070
99BST-121	13.22	3.96	0.05	34180	179	5	44	8316
99BST-122	12.32	5.77	0.06	46960	360	6	58	15150
99BST-123	10.59	3.59	0.05	32090	200	4	35	11490
99BST-124-1 Field Duplicate	11.19	3.90	0.05	28690	153	3	35	9975
99BST-124-2 Field Duplicate	12.85	2.91	0.05	30760	226	3	33	8796
99BST-125	9.82	3.01	0.05	18590	302	4	34	10610
99BST-126	12.61	4.03	0.04	33930	209	3	47	9572

Sample Site	K	Mg	Na	P	Sr	V	W	S
	%	%	%	ppm	ppm	ppm	ppm	ppm
99BST-127	12.45	4.27	0.05	33840	188	4	28	13780
99BST-129	7.93	4.19	0.06	22770	247	12	23	13400
99BST-130	7.91	4.14	0.05	25070	379	6	53	10160
99BST-131	15.71	3.45	0.03	38810	223	3	46	15780
99BST-132	12.29	3.07	0.05	25950	465	7	60	17930
99BST-133 Analytical Duplicate	14.99	3.83	0.04	39770	189	3	49	17640
99BST-133 Analytical Duplicate	14.05	3.75	0.05	38820	183	3	47	16290
99BST-134 Analytical Duplicate	10.87	3.26	0.05	28130	226	5	28	12700
99BST-134 Analytical Duplicate	10.20	3.06	0.05	25400	214	4	23	10690
99BST-135	12.88	2.96	0.04	28240	389	3	28	10450
99BST-137	12.12	3.11	0.05	28920	364	5	47	9870
99BST-138	12.50	3.96	0.06	23310	171	5	46	10860
99BST-139	12.71	3.79	0.03	31110	293	2	36	12400
99BST-140	9.81	3.42	0.03	19340	331	5	43	10610
99BST-141-1 Field Duplicate	13.59	3.08	0.03	34030	255	3	39	12090
99BST-141-2 Field Duplicate	11.93	3.05	0.03	36860	254	3	46	16670
99BST-142	11.98	4.34	0.06	31820	269	4	44	10550
99BST-143	13.25	4.09	0.04	27770	398	3	45	13280
99BST-144 Analytical Duplicate	14.17	4.70	0.04	36180	517	3	38	17080
99BST-144 Analytical Duplicate	13.63	4.53	0.04	34710	498	3	37	16440
99BST-145	10.44	3.12	0.04	24910	305	5	43	13210
99BST-146	13.32	4.46	0.08	26240	91	6	57	18900
99BST-147	10.66	2.24	0.04	18970	253	4	43	10950
99BST-148	11.32	3.27	0.03	24180	202	3	26	12180
99BST-149	8.63	2.68	0.04	18290	226	3	31	8759
99BST-150	12.35	4.13	0.04	28430	85	4	52	13800
99BST-151 Analytical Duplicate	13.27	2.82	0.03	21020	236	4	53	11570
99BST-151 Analytical Duplicate	13.53	2.85	0.03	21560	238	4	53	11910
99BST-152	12.52	2.98	0.05	24180	148	6	32	16910
99BST-153	11.30	3.25	0.09	24720	295	7	52	11940
99BST-154	12.97	3.67	0.06	21410	265	5	52	10840
99BST-155	12.50	4.20	0.04	29130	268	4	48	14740
99BST-156 Analytical Duplicate	11.23	4.06	0.03	28890	151	3	44	16650
99BST-156 Analytical Duplicate	11.76	4.20	0.03	30050	157	3	46	17130
99BST-157	12.75	4.73	0.03	28960	235	4	45	19620
99BST-201	10.60	4.06	0.07	32430	162	3	37	12720
99BST-202	10.53	2.71	0.03	28660	171	2	31	24550
99BST-203	10.25	3.59	0.07	33230	262	4	50	16360
99BST-204	10.68	3.49	0.05	31390	244	3	38	15260
99BST-205	9.99	3.31	0.08	27810	599	4	41	14770
99BST-206	11.73	3.48	0.04	28050	583	4	44	17320
99BST-207	11.88	3.62	0.05	39190	306	3	47	18000
99BST-208	12.59	3.42	0.07	27960	270	4	35	23200
99BST-209	13.04	3.68	0.05	34270	249	4	38	20360
99BST-210	12.42	2.87	0.04	39510	179	2	45	13230
99BST-211	10.65	3.50	0.06	27990	183	4	43	10730
99BST-212 Analytical Duplicate	12.39	3.65	0.10	37040	277	3	35	15350
99BST-212 Analytical Duplicate	11.74	3.54	0.09	35770	259	3	34	14800
99BST-213	11.63	2.61	0.17	28720	419	3	34	8683

Sample Site	K	Mg	Na	P	Sr	V	W	S
	%	%	%	ppm	ppm	ppm	ppm	ppm
99BST-214	8.90	2.82	0.04	20430	237	4	39	15380
99BST-215	9.97	3.06	0.08	18790	289	6	38	14560
99BST-216	10.89	2.73	0.07	22780	418	3	32	19060
99BST-217	9.73	3.25	0.04	34900	358	3	38	14090
99BST-218	9.83	2.74	0.05	24190	147	2	23	8049
99BST-219-1 Field Duplicate	12.92	3.59	0.05	31650	320	5	37	12890
99BST-219-2 Field Duplicate	14.22	3.91	0.10	28890	290	4	48	15300
99BST-220	12.39	3.77	0.07	26110	481	6	39	12610
99BST-221	13.44	3.36	0.08	33240	204	3	21	16340
99BST-222	8.80	2.63	0.12	20680	300	6	46	5776
99BST-223	13.18	3.28	0.05	27540	416	4	50	6648
99BST-224	13.27	3.66	0.07	22210	179	7	37	13810
99BST-226	15.34	2.68	0.06	27580	121	6	48	20030
99BST-227	13.79	4.32	0.05	33030	169	4	32	14110
99BST-228	15.66	3.78	0.06	29810	173	4	34	17650
99BST-229	12.21	3.64	0.08	42590	558	3	47	17460
99BST-230 Analytical Duplicate	12.07	4.13	0.14	27700	324	6	25	16750
99BST-230 Analytical Duplicate	12.55	4.33	0.15	28750	338	6	26	19660
99BST-230 Analytical Duplicate	14.79	3.71	0.22	43670	274	5	33	21850
99BST-231	10.90	4.56	0.05	24520	206	4	29	16290
99BST-232	12.71	4.47	0.05	25890	255	4	40	12620
99BST-233	11.40	2.88	0.05	18390	207	6	41	12050
99BST-234	12.58	3.92	0.22	20950	215	7	26	13280
99BST-235	12.00	3.65	0.04	20920	315	5	32	10560
99BST-236	14.10	3.04	0.09	32600	344	4	39	13650
99BST-237	12.47	4.83	0.04	38400	323	5	48	16160
99BST-238	13.18	4.07	0.05	28300	324	4	25	11180
99BST-239	12.25	3.10	0.06	22680	371	5	28	12180
99BST 240	12.61	3.14	0.07	25070	236	3	25	13280
99BST-241	15.28	3.27	0.04	25470	300	3	36	16010
99BST-242	17.27	2.64	0.04	39130	151	3	32	17700
99BST-243 Analytical Duplicate	15.94	3.24	0.04	39190	325	2	24	11330
99BST-243 Analytical Duplicate	16.12	3.31	0.04	39750	331	2	27	11590
99BST-244	14.21	2.91	0.03	27080	199	3	21	14230
99BST-245	14.73	2.75	0.04	29560	184	3	22	17680
99BST-246	12.48	3.57	0.04	30530	200	4	32	17930
99BST-247 Analytical Duplicate	11.78	2.90	0.03	23290	299	3	23	11640
99BST-247 Analytical Duplicate	11.91	2.92	0.03	22920	300	2	25	11020
99BST-248-1 Field Duplicate	17.15	3.56	0.07	30660	908	3	26	16490
99BST-248-2 Field Duplicate	15.21	3.94	0.05	40630	619	2	43	12220
99BST-249	11.92	4.06	0.05	29220	199	3	48	18240
99BST-251	15.15	3.21	0.29	33480	233	3	43	13290
99BST-252	14.52	3.14	0.06	34110	252	3	28	12810
99BST-253	15.40	3.67	0.05	35590	284	4	43	14200
99BST-254	15.34	3.61	0.07	36430	258	6	38	15720
99BST-255 Analytical Duplicate	17.43	4.19	0.09	40780	244	3	32	15840
99BST-255 Analytical Duplicate	19.87	4.55	0.10	46170	271	3	33	25510
99BST-256	16.84	3.05	0.03	37040	188	2	36	16040
99BST-257	10.14	2.76	0.04	30230	160	4	41	11260

Sample Site	K	Mg	Na	P	Sr	V	W	S
	%	%	%	ppm	ppm	ppm	ppm	ppm
99BST-258	13.81	4.14	0.03	35060	185	3	39	11290
99BST-259	13.45	2.67	0.09	37850	422	4	45	10760
99BST-260	14.38	4.34	0.05	43120	192	4	36	24670
99BST-261	15.84	4.59	0.04	34250	286	5	24	17070
99BST-262	12.47	2.63	0.04	23330	391	6	52	11160
99BST-263 Analytical Duplicate	14.94	2.90	0.04	31240	431	3	32	12900
99BST-263 Analytical Duplicate	17.44	3.37	0.05	36460	507	3	39	15100
99BST-264	14.45	3.95	0.06	26430	198	8	34	10650
99BST-265	14.94	5.00	0.08	33750	184	4	44	10620
99BST-266	13.79	3.48	0.04	29820	342	5	47	8328
99BST-267 Analytical Duplicate	17.39	2.84	0.04	41360	234	3	39	10820
99BST-267 Analytical Duplicate	17.04	2.78	0.04	39870	232	3	35	12770
99BST-268	13.66	3.30	0.06	35620	289	4	38	10120
99BST-269	12.28	3.48	0.10	29200	374	5	40	8273
99BST-270	11.79	3.94	0.03	32670	438	3	25	5289
99BST-271	14.95	3.52	0.07	27670	270	6	40	7718
99BST-272	16.58	4.93	0.07	33230	123	3	40	6962
99BST-273	15.52	3.79	0.10	32750	215	4	34	5998
99BST-274	15.03	3.57	0.10	28280	299	7	43	6102
99BST-275	16.30	4.01	0.09	23940	316	5	43	5968
99BST-276-1 Field Duplicate	10.35	5.03	0.06	23320	290	5	30	4701
99BST-276-2 Field Duplicate	9.76	2.12	0.06	19890	311	6	36	6075
99BST-277	11.58	3.44	0.07	27570	483	7	43	5569
99BST-278	10.23	4.13	0.06	20900	356	4	44	19090
99BST-279 Field Duplicate	12.47	3.97	0.08	32010	465	6	59	18080
99BST-279 Field Duplicate	12.10	3.89	0.07	31240	454	6	57	17440
99BST-280	17.40	2.75	0.07	35300	395	4	47	11470
99BST-281	11.44	3.67	0.08	24510	344	4	25	14640
99BST-282-1 Field Duplicate	13.32	3.49	0.07	26190	256	8	53	12700
99BST-282-2 Field Duplicate	14.46	4.44	0.07	30690	183	5	35	24180
99BST-283	11.71	3.26	0.09	22890	230	7	42	17670
99BST-284	13.69	5.24	0.07	36030	89	6	39	19110
99BST-285	13.02	4.08	0.07	34660	361	6	57	16270
99BST-287	11.16	2.96	0.10	29990	178	4	34	20390
99BST-288	13.33	3.41	0.05	29880	175	3	38	15240
99BST-289 Analytical Duplicate	14.37	3.24	0.06	27570	154	4	49	18670
99BST-289 Analytical Duplicate	16.89	3.70	0.11	32470	177	5	54	21110
99BST-290	12.93	3.92	0.09	23500	305	5	42	14480
99BST-291	13.42	2.97	0.07	28530	226	6	40	14270
99BST-292-1 Field Duplicate	15.30	3.57	0.06	39310	233	5	32	19450
99BST-292-2 Field Duplicate	13.71	3.70	0.05	38970	228	4	40	18780
99BST-293	15.98	2.98	0.09	31240	177	5	27	15710
99BST-294	16.29	2.73	0.06	37790	196	4	32	15590
99BST-295	15.56	4.09	0.03	47510	258	3	37	22600
99BST-296	11.05	4.53	0.08	30600	511	6	31	12000
99BST-297	13.63	3.55	0.05	27060	193	4	37	20930
99BST-298	13.18	3.42	0.05	33750	272	5	27	16270
99BST-300	14.41	2.73	0.03	31620	413	3	31	12520
99BST-301	14.02	3.66	0.03	34610	156	3	43	11120

Sample Site	K	Mg	Na	P	Sr	V	W	S
	%	%	%	ppm	ppm	ppm	ppm	ppm
99BST-302-1 Field Duplicate	10.61	3.15	0.05	28930	296	5	29	15450
99BST-302-2 Field Duplicate	10.75	3.11	0.06	28680	295	5	29	15100
99BST-303	14.00	4.62	0.05	32090	420	5	37	19340
99BST-304	11.84	3.45	0.04	28620	347	5	27	16990
99BST-305	11.47	3.34	0.05	33550	286	3	28	10000
99BST-307	14.18	4.26	0.12	50030	300	3	40	15890
99BST-308	13.76	2.91	0.05	35330	185	4	29	16770
99BST-309	15.42	3.90	0.03	55530	158	2	40	13020
99BST-314-1 Field Duplicate	13.77	4.53	0.03	33360	408	3	38	18940
99BST-314-2 Field Duplicate	13.11	4.69	0.05	32480	217	2	23	12930
99BST-315	12.23	3.47	0.05	27500	299	4	44	18990
99BST-316 Analytical Duplicate	14.13	3.42	0.06	22780	309	6	40	18440
99BST-316 Analytical Duplicate	14.90	3.63	0.06	24480	326	6	39	19800
99BST-317 Analytical Duplicate	11.56	3.68	0.03	35680	106	4	45	18030
99BST-317 Analytical Duplicate	11.44	3.70	0.03	36150	108	4	45	18400
99BST-318	13.78	2.49	0.04	38350	250	4	36	20020
99BST-319	12.69	4.27	0.04	37460	322	3	40	21470
99BST-320	13.65	3.85	0.03	32600	391	3	48	15320
99BST-321	12.53	3.33	0.03	32680	609	4	90	14790
99BST-322	12.64	3.37	0.04	24950	524	6	31	15780
99BST-323	16.41	3.74	0.04	33410	302	5	29	14520
99BST-324	11.79	3.90	0.05	25690	191	4	39	18440
99BST-325	9.96	2.81	0.04	23890	414	6	55	13050
99BST-326	10.96	2.98	0.06	27030	250	5	36	11200
99BST-327	13.26	5.09	0.04	38260	315	5	48	18740
99BST-328	13.64	3.74	0.07	31390	336	3	27	17820
99BST-329-1 Field Duplicate	14.15	3.79	0.05	36240	241	5	28	21130
99BST-329-2 Field Duplicate	13.28	4.59	0.04	27480	400	7	26	14800
99BST-330 Analytical Duplicate	10.63	3.51	0.04	22480	279	6	42	14690
99BST-330 Analytical Duplicate	11.65	3.82	0.04	24260	302	6	50	15720
99BST-331	12.66	3.63	0.04	31880	330	4	36	18480
99BST-332	14.25	3.40	0.04	27420	483	3	30	15040
99BST-333	13.31	3.87	0.05	26550	270	4	36	17690
99BST-334 Analytical Duplicate	15.30	3.52	0.05	30600	182	4	29	24610
99BST-334 Analytical Duplicate	15.76	3.57	0.05	31410	186	5	29	25540
99BST-335	11.81	4.27	0.07	26280	193	4	36	21160
99BST-336	13.61	3.88	0.04	33370	285	6	38	23130
99BST-337	14.89	2.94	0.05	30310	243	4	35	16120
99BST-338	14.94	4.27	0.03	42940	304	3	30	22440
99BST-339	14.69	3.82	0.03	37190	143	3	33	20250
99BST-340	12.72	3.52	0.04	32470	205	2	36	24940
99BST-341	11.78	2.71	0.05	23010	398	5	41	18690
99BST-342	13.06	4.09	0.06	32050	89	4	40	22260
99BST-343	13.72	1.96	0.06	31670	410	4	43	18950
99BST-344	17.58	4.37	0.05	43550	125	3	31	32100
99BST-345	9.87	2.27	0.05	18710	503	5	39	12880
99BST-346	11.21	4.86	0.05	28470	160	5	45	26920
99BST-347	15.17	4.04	0.04	27130	351	3	45	24690
99BST-348	12.51	4.18	0.05	33780	177	4	41	27390

Sample Site	K	Mg	Na	P	Sr	V	W	S
	%	%	%	ppm	ppm	ppm	ppm	ppm
99BST-349	13.66	3.99	0.05	31420	272	4	39	18070
99BST-350	12.32	3.17	0.04	30280	211	3	32	18450
99BST-351	12.73	3.69	0.02	38420	217	2	39	47510

Appendix V-2

Duplicate Pair ICP-AES Analyses.

Sample Site	UTM		Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	Ba	Bi	Ca	Co	Cr	Fe
	Easting	Northing	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	%
99BST-7 Analytical Duplicate	380012.55	6085720.22	1.8	0.60	193	5570	1	54	1	1176	0.14	5	286	5	20.27	4	5	0.16
99BST-7 Analytical Duplicate	380012.55	6085720.22	1.8	0.51	189	5321	1	52	4	1126	0.14	5	258	5	19.51	5	5	0.16
99BST-12 Analytical Duplicate	384139.45	6089907.45	1.0	0.97	99	4688	1	39	5	866	0.19	5	173	5	14.82	2	5	0.15
99BST-12 Analytical Duplicate	384139.45	6089907.45	1.6	1.01	144	6730	1	57	7	1262	0.28	5	214	5	22.03	3	7	0.22
99BST-21-1 Analytical Duplicate	384823.47	6085301.09	1.8	0.25	178	6729	1	101	7	1542	0.19	5	201	5	19.98	3	6	0.16
99BST-21-2 Analytical Duplicate	384823.47	6085301.09	1.3	1.19	261	10720	1	78	13	1885	0.23	5	151	5	19.50	3	7	0.25
99BST-24 Analytical Duplicate	383922.80	6083064.31	2.2	0.25	209	5477	1	63	9	875	0.17	11	355	5	19.25	8	6	0.18
99BST-24 Analytical Duplicate	383922.80	6083064.31	2.0	0.90	204	5252	1	61	9	847	0.16	5	299	5	18.93	7	5	0.17
99BST-41-1 Analytical Duplicate	391167.56	6086589.75	0.9	0.97	180	11690	1	71	5	1672	0.12	5	208	5	16.52	3	5	0.15
99BST-41-2 Analytical Duplicate	391167.56	6086589.75	1.6	1.26	229	14570	1	59	9	1676	0.18	5	256	5	19.34	3	6	0.23
99BST-42 Analytical Duplicate	391238.39	6085940.29	1.6	0.78	121	6790	1	33	6	1087	0.14	5	108	5	16.46	5	4	0.15
99BST-42 Analytical Duplicate	391238.39	6085940.29	1.4	1.17	116	6556	1	41	6	1014	0.13	5	91	5	16.05	5	4	0.14
99BST-48 Analytical Duplicate	383904.64	6082648.05	1.4	0.59	142	8648	1	56	5	1485	0.10	5	206	5	16.37	5	4	0.13
99BST-48 Analytical Duplicate	383904.64	6082648.05	1.5	0.93	159	9496	1	64	7	1653	0.13	5	211	5	17.72	5	5	0.15
99BST-65 Analytical Duplicate	371421.23	6083690.52	1.0	0.54	141	6218	1	20	8	1273	0.12	10	236	5	17.14	2	4	0.16
99BST-65 Analytical Duplicate	371421.23	6083690.52	1.0	0.62	143	6261	1	21	9	1289	0.12	5	203	5	17.41	1	5	0.17
99BST-70-1 Field Duplicate	377176.25	6084802.55	1.3	0.95	150	8635	1	279	7	1350	0.29	5	127	5	13.28	14	7	0.16
99BST-70-2 Analytical Duplicate	377176.25	6084802.55	1.1	1.67	159	9154	1	307	6	1439	0.32	5	94	72	14.46	14	7	0.17
99BST-70-2 Analytical Duplicate	377176.25	6084802.55	1.1	1.57	159	9790	1	319	4	1501	0.32	5	75	64	15.06	14	9	0.17
99BST-75 Analytical Duplicate	367566.14	6083452.59	1.3	0.25	152	5551	1	23	7	1392	0.12	12	432	5	16.01	1	6	0.14
99BST-75 Analytical Duplicate	367566.14	6083452.59	1.3	0.56	148	5416	1	22	7	1361	0.11	5	451	5	15.90	1	5	0.14
99BST-82-1 Analytical Duplicate	372516.50	6088851.06	1.8	2.38	166	12950	1	75	20	1692	0.44	11	208	5	17.07	4	9	0.53
99BST-82-1 Analytical Duplicate	372516.50	6088851.06	2.1	3.79	176	15450	2	84	26	1886	0.46	5	434	5	18.26	5	10	0.56
99BST-82-2 Field Duplicate	372516.50	6088851.06	1.3	2.70	157	11900	3	73	28	2375	0.42	5	191	5	11.90	3	10	0.50
99BST-95 Analytical Duplicate	359548.28	6088342.12	1.9	0.82	155	8137	1	48	5	1219	0.17	5	213	5	16.18	4	5	0.20
99BST-95 Analytical Duplicate	359548.28	6088342.12	1.7	0.86	152	8039	1	47	5	1199	0.16	5	211	5	15.97	4	5	0.20
99BST-98 Analytical Duplicate	360997.64	6086474.25	1.4	0.69	133	3969	1	74	4	774	0.15	12	399	5	16.96	2	4	0.16
99BST-98 Analytical Duplicate	360997.64	6086474.25	1.3	0.94	131	3797	1	49	5	744	0.16	5	273	5	16.56	2	4	0.17
99BST-101-1 Field Duplicate	364004.46	6090265.61	1.7	0.94	156	9877	1	43	7	1439	0.24	5	150	5	18.39	3	6	0.22
99BST-101-2 Field Duplicate	364004.46	6090265.61	1.7	1.08	211	11100	1	114	10	1680	0.31	13	274	5	17.92	5	7	0.27

Sample Site	UTM Easting	UTM Northing	Ag ppm	Cd ppm	Cu ppm	Mn ppm	Mo ppm	Ni ppm	Pb ppm	Zn ppm	Al %	As ppm	Ba ppm	Bi ppm	Ca %	Co ppm	Cr ppm	Fe %
99BST-106 Analytical Duplicate	369259.00	6087478.80	1.6	0.71	123	6278	1	43	9	1145	0.23	5	247	5	19.78	3	6	0.25
99BST-106 Analytical Duplicate	369259.00	6087478.80	1.6	1.38	115	6208	1	41	9	1123	0.19	5	348	5	18.79	2	5	0.22
99BST-109 Analytical Duplicate	368585.13	6084340.09	1.4	0.58	129	8963	1	51	5	1260	0.18	10	164	5	18.92	2	5	0.19
99BST-109 Analytical Duplicate	368585.13	6084340.09	1.4	0.68	133	9489	1	53	3	1320	0.17	5	201	5	19.36	3	6	0.19
99BST-124-1 Field Duplicate	362147.22	6090729.66	1.4	1.06	134	7985	1	61	3	1191	0.24	5	152	5	14.20	6	7	0.19
99BST-124-2 Field Duplicate	362147.22	6090729.66	1.4	1.95	115	6602	1	35	3	1211	0.17	5	177	5	14.91	2	6	0.19
99BST-133 Analytical Duplicate	350961.55	6085671.72	1.6	1.90	184	7706	1	75	4	1669	0.13	5	244	5	17.86	2	5	0.20
99BST-133 Analytical Duplicate	350961.55	6085671.72	1.6	1.84	180	7523	1	74	2	1630	0.13	5	237	5	17.19	2	5	0.19
99BST-134 Analytical Duplicate	353845.36	6085793.03	1.9	2.42	204	7800	1	43	5	1033	0.24	5	234	5	24.28	6	6	0.25
99BST-134 Analytical Duplicate	353845.36	6085793.03	1.7	1.96	185	7321	1	38	5	958	0.22	5	207	5	23.08	5	6	0.23
99BST-141-1 Field Duplicate	362142.99	6084076.48	1.7	0.76	149	12370	1	72	3	1355	0.13	5	240	5	18.87	5	5	0.14
99BST-141-2 Field Duplicate	362142.99	6084076.48	1.4	0.89	190	11790	1	90	5	1550	0.18	5	178	5	18.65	10	7	0.15
99BST-144 Analytical Duplicate	365789.89	6083994.83	1.4	0.85	124	5373	2	49	4	1350	0.18	5	199	5	16.74	3	7	0.16
99BST-144 Analytical Duplicate	365789.89	6083994.83	1.2	1.07	118	5188	1	48	2	1295	0.17	5	201	5	16.05	3	6	0.16
99BST-151 Analytical Duplicate	379171.14	6087918.37	1.6	0.59	123	5970	1	24	6	1880	0.13	5	454	5	16.90	1	4	0.20
99BST-151 Analytical Duplicate	379171.14	6087918.37	1.9	1.15	125	6053	1	25	7	1911	0.14	5	592	5	16.84	1	4	0.21
99BST-156 Analytical Duplicate	373995.52	6086125.05	1.4	0.94	214	9641	1	43	6	1596	0.11	5	214	5	19.27	2	4	0.15
99BST-156 Analytical Duplicate	373995.52	6086125.05	1.6	0.99	217	10210	1	43	6	1652	0.11	13	274	5	19.92	2	4	0.15
99BST-212 Analytical Duplicate	367569.80	6080402.33	1.7	0.58	168	8161	1	100	8	1337	0.13	11	326	5	16.35	9	4	0.15
99BST-212 Analytical Duplicate	367569.80	6080402.33	1.6	0.54	162	7716	1	95	7	1281	0.13	5	210	5	15.71	9	4	0.15
99BST-219-1 Field Duplicate	367825.77	6068425.98	1.7	0.60	153	7215	1	60	8	1400	0.23	5	153	49	17.72	4	6	0.25
99BST-219-2 Field Duplicate	367825.77	6068425.98	1.4	0.86	209	7184	1	91	11	1738	0.27	5	154	61	17.50	3	8	0.22
99BST-230 Analytical Duplicate	355405.44	6076684.24	1.1	0.25	95	5073	2	35	9	946	0.23	5	188	71	16.86	3	6	0.28
99BST-230 Analytical Duplicate	355405.44	6076684.24	1.1	0.25	100	5334	2	37	8	995	0.24	5	202	74	17.79	3	6	0.29
99BST-230 Analytical Duplicate	355405.44	6076684.24	1.4	0.96	181	4802	3	43	10	1354	0.20	5	199	54	15.72	4	6	0.30
99BST-243 Analytical Duplicate	373883.08	6066058.33	1.6	0.25	177	4543	1	29	1	1000	0.07	5	301	39	16.27	4	4	0.10
99BST-243 Analytical Duplicate	373883.08	6066058.33	1.4	0.59	179	4648	2	30	2	1023	0.08	5	294	44	16.62	4	4	0.10
99BST-247 Analytical Duplicate	367223.27	6077159.70	1.6	0.53	152	6319	1	98	5	954	0.14	5	328	14	23.59	9	4	0.13
99BST-247 Analytical Duplicate	367223.27	6077159.70	1.8	0.93	153	6248	1	99	4	957	0.15	12	257	22	23.89	9	4	0.14
99BST-248-1 Field Duplicate	363998.87	6080166.06	1.3	0.98	173	3603	1	15	6	1085	0.10	5	196	52	15.13	2	4	0.18
99BST-248-2 Field Duplicate	363998.87	6080166.06	1.7	0.25	258	3839	2	13	6	1618	0.07	5	234	61	15.88	2	4	0.15
99BST-255 Analytical Duplicate	369082.74	6074188.19	1.4	0.25	239	6113	1	144	11	1230	0.19	5	238	75	14.04	8	6	0.19
99BST-255 Analytical Duplicate	369082.74	6074188.19	1.5	0.82	254	6859	1	161	11	1356	0.20	5	342	42	16.14	8	7	0.19

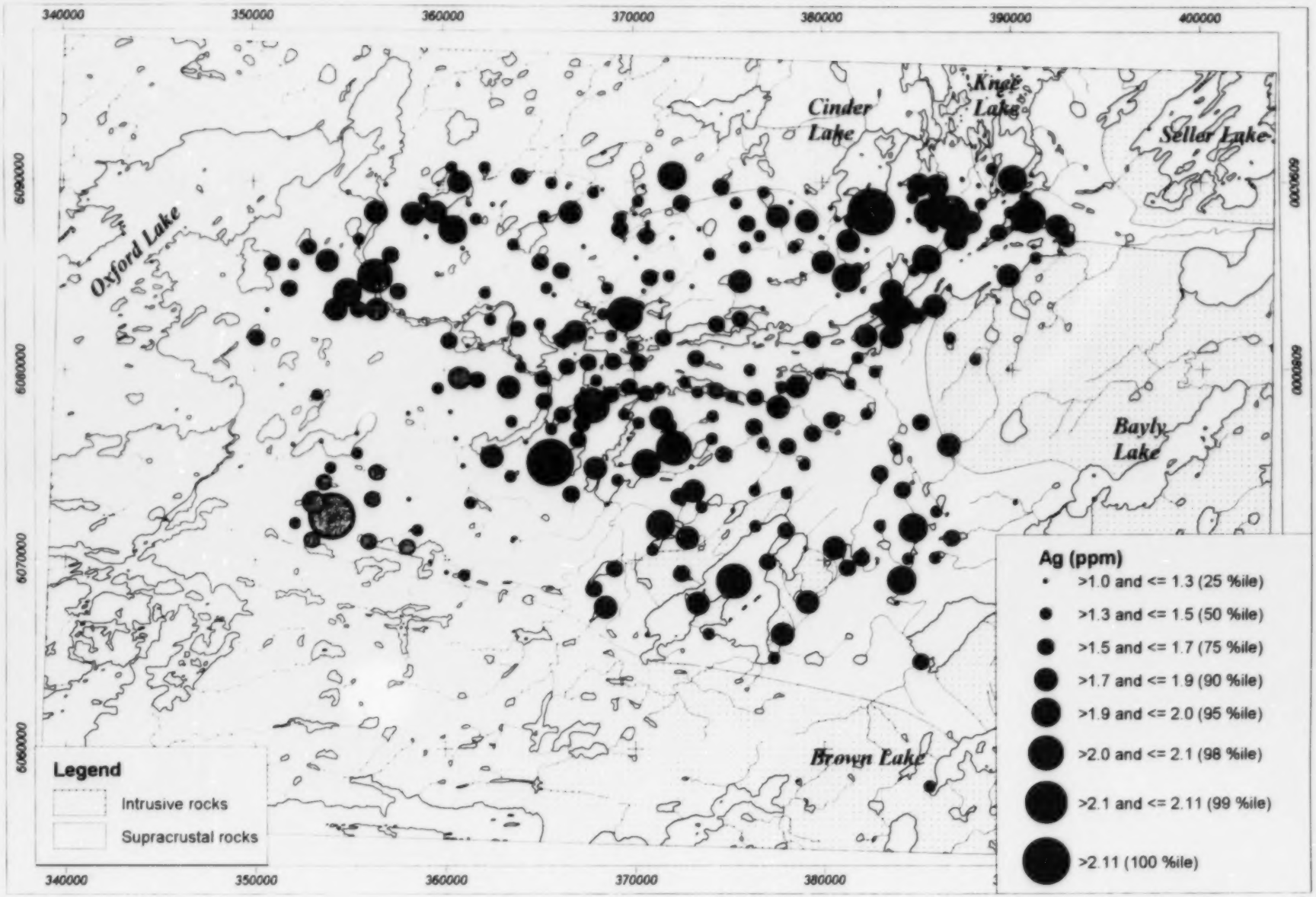
Sample Site	UTM		Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	Ba	Bi	Ca	Co	Cr	Fe
	Easting	Northing	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	%
99BST-263 Analytical Duplicate	357994.39	6070646.49	1.6	0.63	160	4476	1	19	3	1205	0.08	12	245	5	19.29	2	4	0.12
99BST-263 Analytical Duplicate	357994.39	6070646.49	1.6	0.67	184	5241	2	22	3	1413	0.09	5	409	5	22.38	1	4	0.14
99BST-267 Analytical Duplicate	377020.28	6069882.33	1.6	1.60	144	11410	1	50	6	1395	0.12	5	234	27	15.16	4	6	0.17
99BST-267 Analytical Duplicate	377020.28	6069882.33	1.7	0.81	141	11280	1	48	7	1373	0.12	5	210	26	15.31	4	5	0.16
99BST-276-1 Field Duplicate	385148.66	6077248.38	1.3	1.18	142	5311	1	37	11	1119	0.17	5	297	101	19.83	2	5	0.23
99BST-276-2 Field Duplicate	385148.66	6077248.38	1.9	1.19	158	4572	1	40	14	1404	0.20	11	299	5	24.20	2	5	0.27
99BST-279 Field Duplicate	376310.70	6077007.87	1.7	0.91	109	5097	3	19	11	2280	0.21	13	170	31	21.97	2	6	0.28
99BST-279 Field Duplicate	376310.70	6077007.87	1.5	0.25	108	4917	1	18	9	2223	0.21	5	164	49	21.68	2	6	0.27
99BST-282-1 Field Duplicate	382727.20	6079909.30	1.8	1.01	164	7867	1	34	11	1886	0.28	5	182	47	20.73	1	7	0.35
99BST-282-2 Field Duplicate	382727.20	6079909.30	1.2	1.00	177	11860	1	111	6	1399	0.29	5	117	82	17.19	5	8	0.22
99BST-289 Analytical Duplicate	384447.42	6070035.32	1.4	0.64	121	8424	1	33	7	1817	0.16	5	158	41	18.29	2	5	0.21
99BST-289 Analytical Duplicate	384447.42	6070035.32	1.3	2.10	132	10700	1	38	3	2131	0.19	16	761	5	20.35	2	6	0.23
99BST-292-1 Field Duplicate	372658.22	6079359.51	1.4	0.91	125	6115	1	60	10	1262	0.16	5	155	52	16.91	2	5	0.23
99BST-292-2 Field Duplicate	372658.22	6079359.51	1.5	1.10	162	8909	1	108	8	1561	0.15	5	142	55	19.66	6	5	0.18
99BST-302-1 Field Duplicate	381825.16	6080640.92	1.3	1.23	106	5575	1	46	8	1192	0.16	5	134	36	22.98	1	5	0.23
99BST-302-2 Field Duplicate	381825.16	6080640.92	1.5	0.99	104	5560	1	46	10	1181	0.15	5	154	28	22.85	1	6	0.23
99BST-314-1 Field Duplicate	380441.27	6077362.52	1.8	0.59	161	9007	1	144	5	1478	0.20	5	123	89	17.10	6	6	0.15
99BST-314-2 Field Duplicate	380441.27	6077362.52	1.6	0.76	149	8265	2	98	1	918	0.19	5	151	93	17.50	6	6	0.12
99BST-316 Analytical Duplicate	378083.67	6075976.30	1.6	1.21	118	7828	2	39	8	1563	0.20	5	186	29	18.72	1	6	0.27
99BST-316 Analytical Duplicate	378083.67	6075976.30	1.7	1.17	127	8351	2	42	10	1653	0.21	15	211	28	19.77	1	6	0.28
99BST-317 Analytical Duplicate	378975.05	6075002.82	1.4	0.75	142	6715	1	62	8	1669	0.16	5	222	56	17.95	2	5	0.21
99BST-317 Analytical Duplicate	378975.05	6075002.82	1.4	0.86	146	6785	1	60	7	1712	0.16	5	252	54	18.18	2	5	0.21
99BST-329-1 Field Duplicate	373524.62	6072776.30	1.4	1.12	157	7221	1	69	9	1257	0.27	5	160	64	16.49	6	7	0.26
99BST-329-2 Field Duplicate	373524.62	6072776.30	1.4	1.29	135	8083	2	67	12	1098	0.32	5	201	92	16.05	5	7	0.32
99BST-330 Analytical Duplicate	373090.65	6073609.38	1.8	1.23	125	6156	2	28	8	1660	0.25	5	213	54	18.66	1	7	0.29
99BST-330 Analytical Duplicate	373090.65	6073609.38	1.9	1.14	130	6730	1	30	9	1822	0.23	5	266	44	20.06	1	6	0.29
99BST-334 Analytical Duplicate	353630.41	6074080.73	1.6	0.55	135	7074	1	22	3	1234	0.20	5	188	40	18.40	3	7	0.21
99BST-334 Analytical Duplicate	353630.41	6074080.73	1.7	0.25	135	7230	1	23	1	1247	0.20	5	211	28	18.68	3	6	0.21

Sample Site	K	Mg	Na	P	Sr	V	W	S
	%	%	%	ppm	ppm	ppm	ppm	ppm
99BST-7 Analytical Duplicate	14.53	4.30	0.17	29040	557	4	33	10820
99BST-7 Analytical Duplicate	13.87	4.14	0.15	27890	539	3	29	10300
99BST-12 Analytical Duplicate	7.48	2.62	0.05	16150	188	3	26	10380
99BST-12 Analytical Duplicate	10.74	3.86	0.08	22910	278	5	35	14440
99BST-21-1 Analytical Duplicate	12.19	4.11	0.05	33980	196	3	45	12250
99BST-21-2 Analytical Duplicate	11.05	3.79	0.06	31570	235	5	54	24140
99BST-24 Analytical Duplicate	14.37	4.45	0.08	27920	329	4	23	17870
99BST-24 Analytical Duplicate	13.88	4.33	0.08	27200	323	4	21	17420
99BST-41-1 Analytical Duplicate	15.14	3.38	0.06	35650	111	3	49	25950
99BST-41-2 Analytical Duplicate	12.40	2.99	0.07	29480	96	4	46	18950
99BST-42 Analytical Duplicate	16.74	3.94	0.06	35120	549	3	25	24990
99BST-42 Analytical Duplicate	16.08	3.84	0.05	33680	540	3	28	23960
99BST-48 Analytical Duplicate	13.66	4.21	0.04	31930	179	2	45	24710
99BST-48 Analytical Duplicate	15.11	4.70	0.05	36180	191	3	45	25430
99BST-65 Analytical Duplicate	13.28	4.35	0.08	35890	252	3	34	10720
99BST-65 Analytical Duplicate	13.78	4.40	0.08	35880	256	3	36	11540
99BST-70-1 Field Duplicate	12.82	4.85	0.09	29290	234	3	38	15680
99BST-70-2 Analytical Duplicate	14.16	4.84	0.20	33020	225	4	40	18400
99BST-70-2 Analytical Duplicate	14.87	5.07	0.22	34260	237	4	41	18850
99BST-75 Analytical Duplicate	16.70	4.44	0.06	45680	150	3	43	14570
99BST-75 Analytical Duplicate	16.14	4.38	0.05	44680	148	3	36	14410
99BST-82-1 Analytical Duplicate	11.61	2.91	0.17	18920	213	11	49	10340
99BST-82-1 Analytical Duplicate	13.04	3.20	0.19	21380	235	12	54	11720
99BST-82-2 Field Duplicate	13.49	4.44	0.08	26400	141	10	74	17380
99BST-95 Analytical Duplicate	12.61	4.25	0.05	25630	153	4	32	11870
99BST-95 Analytical Duplicate	12.42	4.14	0.05	25180	152	4	33	12270
99BST-98 Analytical Duplicate	11.91	2.99	0.03	22820	251	3	22	12850
99BST-98 Analytical Duplicate	11.49	2.91	0.04	21740	242	3	18	11980
99BST-101-1 Field Duplicate	10.56	2.96	0.05	27160	198	5	37	9860
99BST-101-2 Field Duplicate	12.60	4.05	0.06	33340	186	5	45	7800

Sample Site	K %	Mg %	Na %	P ppm	Sr ppm	V ppm	W ppm	S ppm
99BST-106 Analytical Duplicate	11.32	2.88	0.05	19710	300	5	33	14940
99BST-106 Analytical Duplicate	11.19	2.79	0.05	19320	289	4	26	15080
99BST-109 Analytical Duplicate	11.59	4.49	0.03	28450	267	4	31	18140
99BST-109 Analytical Duplicate	12.14	4.69	0.07	29730	276	4	31	18780
99BST-124-1 Field Duplicate	11.19	3.90	0.05	28690	153	3	35	9975
99BST-124-2 Field Duplicate	12.85	2.91	0.05	30760	226	3	33	8796
99BST-133 Analytical Duplicate	14.99	3.83	0.04	39770	189	3	49	17640
99BST-133 Analytical Duplicate	14.05	3.75	0.05	38820	183	3	47	16290
99BST-134 Analytical Duplicate	10.87	3.26	0.05	28130	226	5	28	12700
99BST-134 Analytical Duplicate	10.20	3.06	0.05	25400	214	4	23	10690
99BST-141-1 Field Duplicate	13.59	3.08	0.03	34030	255	3	39	12090
99BST-141-2 Field Duplicate	11.93	3.05	0.03	36860	254	3	46	16670
99BST-144 Analytical Duplicate	14.17	4.70	0.04	36180	517	3	38	17080
99BST-144 Analytical Duplicate	13.63	4.53	0.04	34710	498	3	37	16440
99BST-151 Analytical Duplicate	13.27	2.82	0.03	21020	236	4	53	11570
99BST-151 Analytical Duplicate	13.53	2.85	0.03	21560	238	4	53	11910
99BST-156 Analytical Duplicate	11.23	4.06	0.03	28890	151	3	44	16650
99BST-156 Analytical Duplicate	11.76	4.20	0.03	30050	157	3	46	17130
99BST-212 Analytical Duplicate	12.39	3.65	0.10	37040	277	3	35	15350
99BST-212 Analytical Duplicate	11.74	3.54	0.09	35770	259	3	34	14800
99BST-219-1 Field Duplicate	12.92	3.59	0.05	31650	320	5	37	12890
99BST-219-2 Ficld Duplicate	14.22	3.91	0.10	28890	290	4	48	15300
99BST-230 Analytical Duplicate	12.07	4.13	0.14	27700	324	6	25	16750
99BST-230 Analytical Duplicate	12.55	4.33	0.15	28750	338	6	26	19660
99BST-230 Analytical Duplicate	14.79	3.71	0.22	43670	274	5	33	21850
99BST-243 Analytical Duplicate	15.94	3.24	0.04	39190	325	2	24	11330
99BST-243 Analytical Duplicate	16.12	3.31	0.04	39750	331	2	27	11590
99BST-247 Analytical Duplicate	11.78	2.90	0.03	23290	299	3	23	11640
99BST-247 Analytical Duplicate	11.91	2.92	0.03	22920	300	2	25	11020
99BST-248-1 Field Duplicate	17.15	3.56	0.07	30660	908	3	26	16490
99BST-248-2 Field Duplicate	15.21	3.94	0.05	40630	619	2	43	12220
99BST-255 Analytical Duplicate	17.43	4.19	0.09	40780	244	3	32	15840
99BST-255 Analytical Duplicate	19.87	4.55	0.10	46170	271	3	33	25510

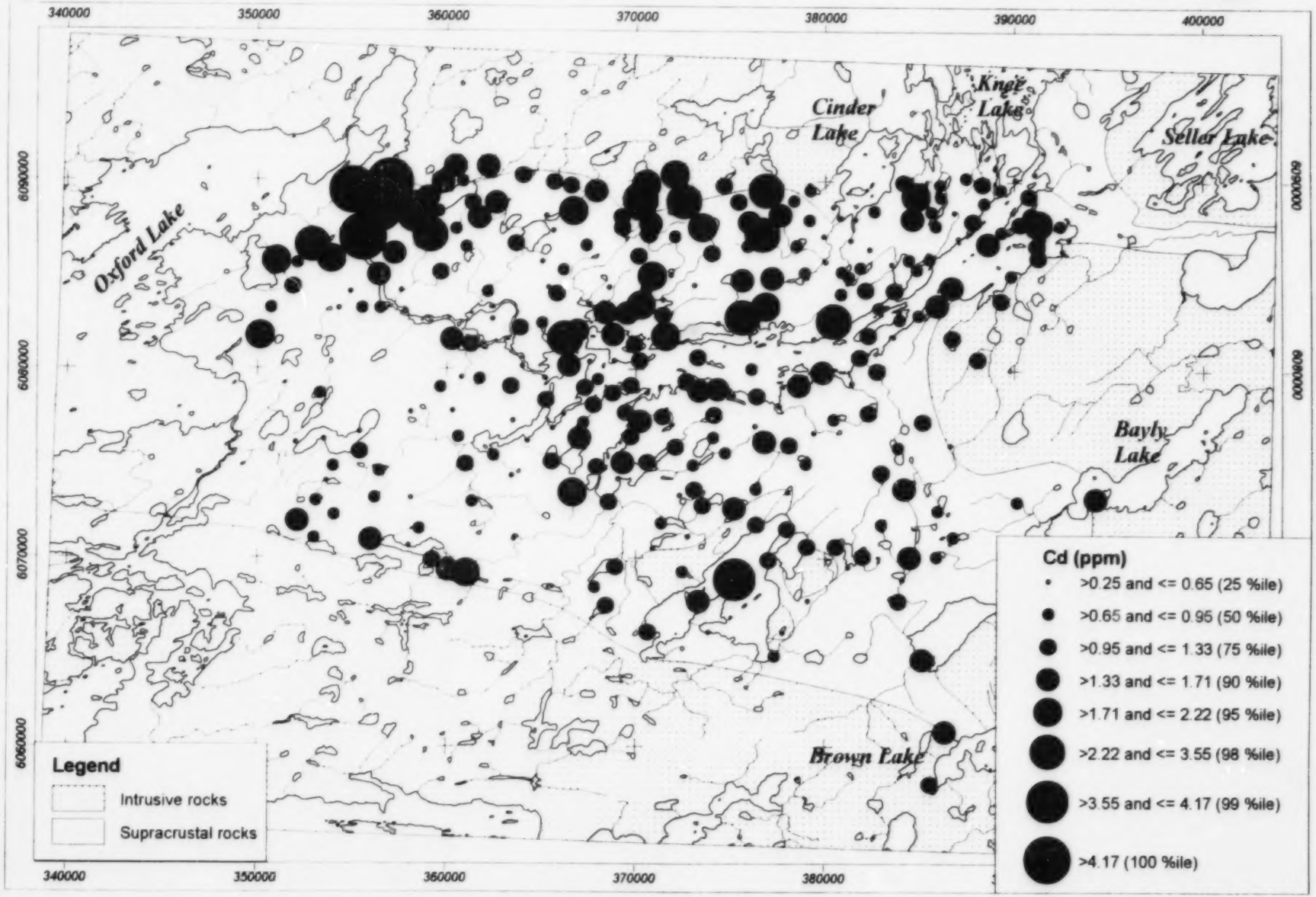
Sample Site	K %	Mg %	Na %	P ppm	Sr ppm	V ppm	W ppm	S ppm
99BST-263 Analytical Duplicate	14.94	2.90	0.04	31240	431	3	32	12900
99BST-263 Analytical Duplicate	17.44	3.37	0.05	36460	507	3	39	15100
99BST-267 Analytical Duplicate	17.39	2.84	0.04	41360	234	3	39	10820
99BST-267 Analytical Duplicate	17.04	2.78	0.04	39870	232	3	35	12770
99BST-276-1 Field Duplicate	10.35	5.03	0.06	23320	290	5	30	4701
99BST-276-2 Field Duplicate	9.76	2.12	0.06	19890	311	6	36	6075
99BST-279 Field Duplicate	12.47	3.97	0.08	32010	465	6	59	18080
99BST-279 Field Duplicate	12.10	3.89	0.07	31240	454	6	57	17440
99BST-282-1 Field Duplicate	13.32	3.49	0.07	26190	256	8	53	12700
99BST-282-2 Field Duplicate	14.46	4.44	0.07	30690	183	5	35	24180
99BST-289 Analytical Duplicate	14.37	3.24	0.06	27570	154	4	49	18670
99BST-289 Analytical Duplicate	16.89	3.70	0.11	32470	177	5	54	21110
99BST-292-1 Field Duplicate	15.30	3.57	0.06	39310	233	5	32	19450
99BST-292-2 Field Duplicate	13.71	3.70	0.05	38970	228	4	40	18780
99BST-302-1 Field Duplicate	10.61	3.15	0.05	28930	296	5	29	15450
99BST-302-2 Field Duplicate	10.75	3.11	0.06	28680	295	5	29	15100
99BST-314-1 Field Duplicate	13.77	4.53	0.03	33360	408	3	38	18940
99BST-314-2 Field Duplicate	13.11	4.69	0.05	32480	217	2	23	12930
99BST-316 Analytical Duplicate	14.13	3.42	0.06	22780	309	6	40	18440
99BST-316 Analytical Duplicate	14.90	3.63	0.06	24480	326	6	39	19800
99BST-317 Analytical Duplicate	11.56	3.68	0.03	35680	106	4	45	18030
99BST-317 Analytical Duplicate	11.44	3.70	0.03	36150	108	4	45	18400
99BST-329-1 Field Duplicate	14.15	3.79	0.05	36240	241	5	28	21130
99BST-329-2 Field Duplicate	13.28	4.59	0.04	27480	400	7	26	14800
99BST-330 Analytical Duplicate	10.63	3.51	0.04	22480	279	6	42	14690
99BST-330 Analytical Duplicate	11.65	3.82	0.04	24260	302	6	50	15720
99BST-334 Analytical Duplicate	15.30	3.52	0.05	30600	182	4	29	24610
99BST-334 Analytical Duplicate	15.76	3.57	0.05	31410	186	5	29	25540

ICP-AES Percentile Bubble Plots.



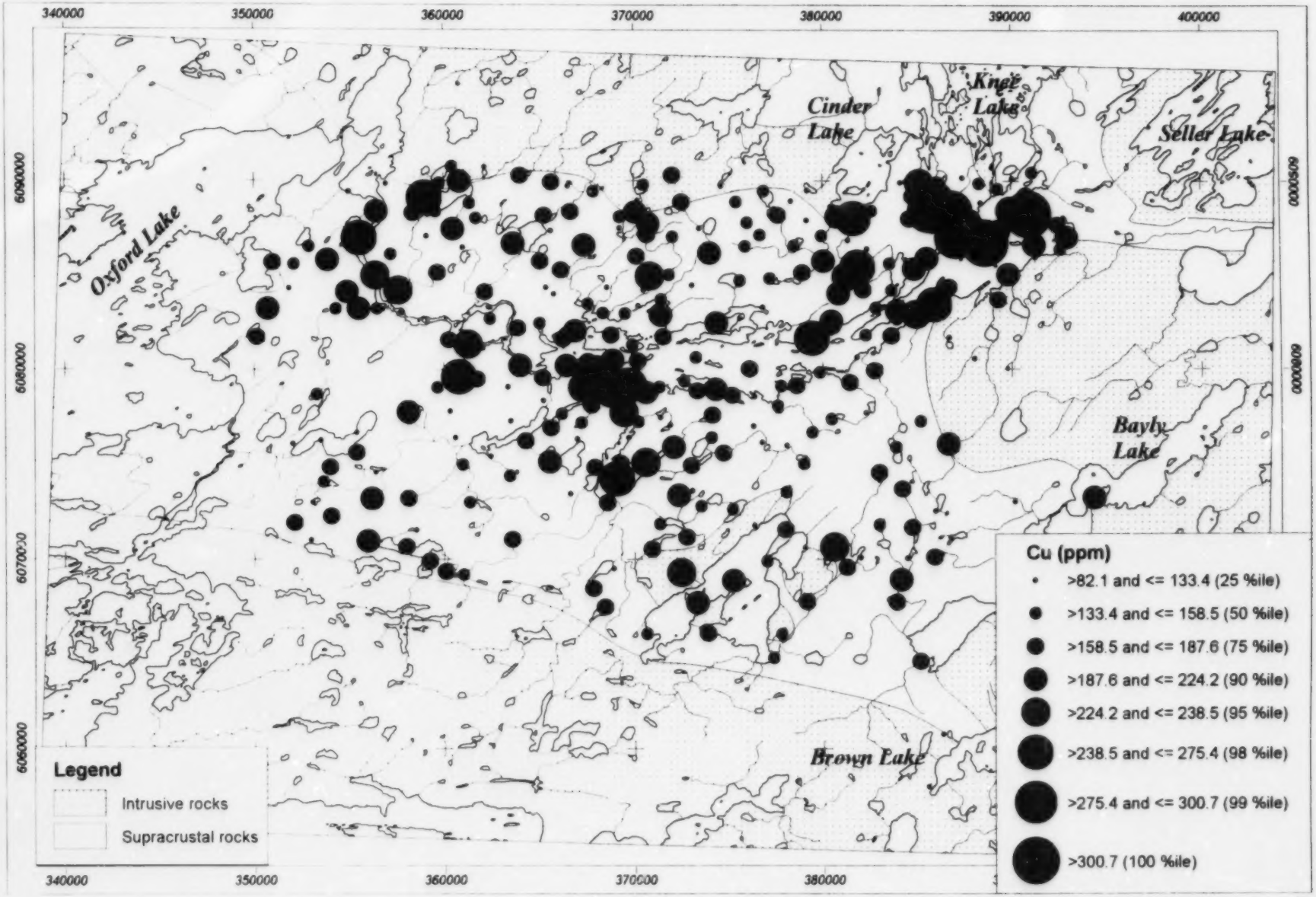
Black Spruce Crown Twigs - 294 samples
Ash / Aqua Regia Leach / ICP-AES

Appendix V-3-1



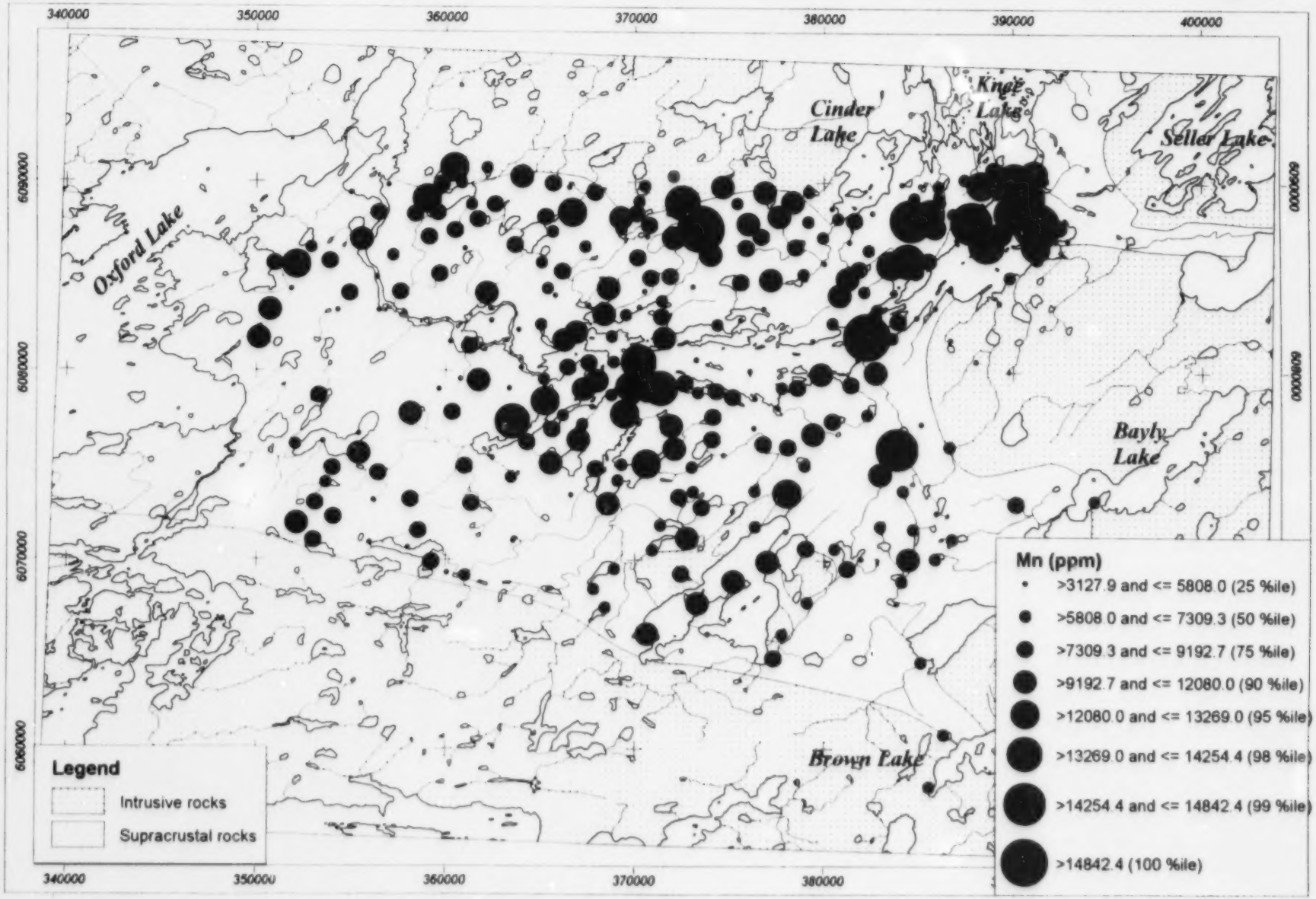
Black Spruce Crown Twigs - 294 samples
Ash / Aqua Regia Leach / ICP-AES

Appendix V-3-2



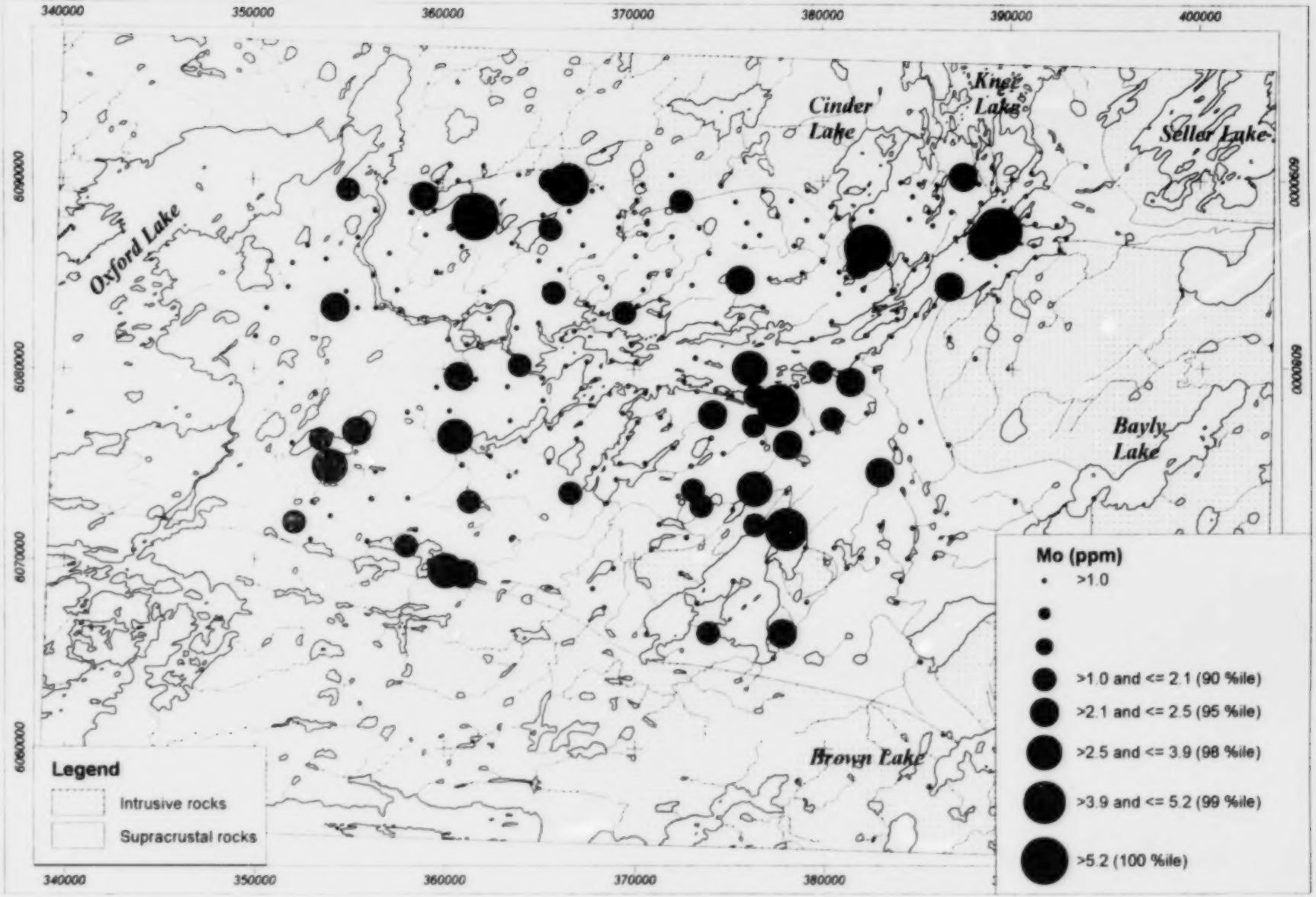
Black Spruce Crown Twigs - 294 samples
Ash / Aqua Regia Leach / ICP-AES

Appendix V-3-3



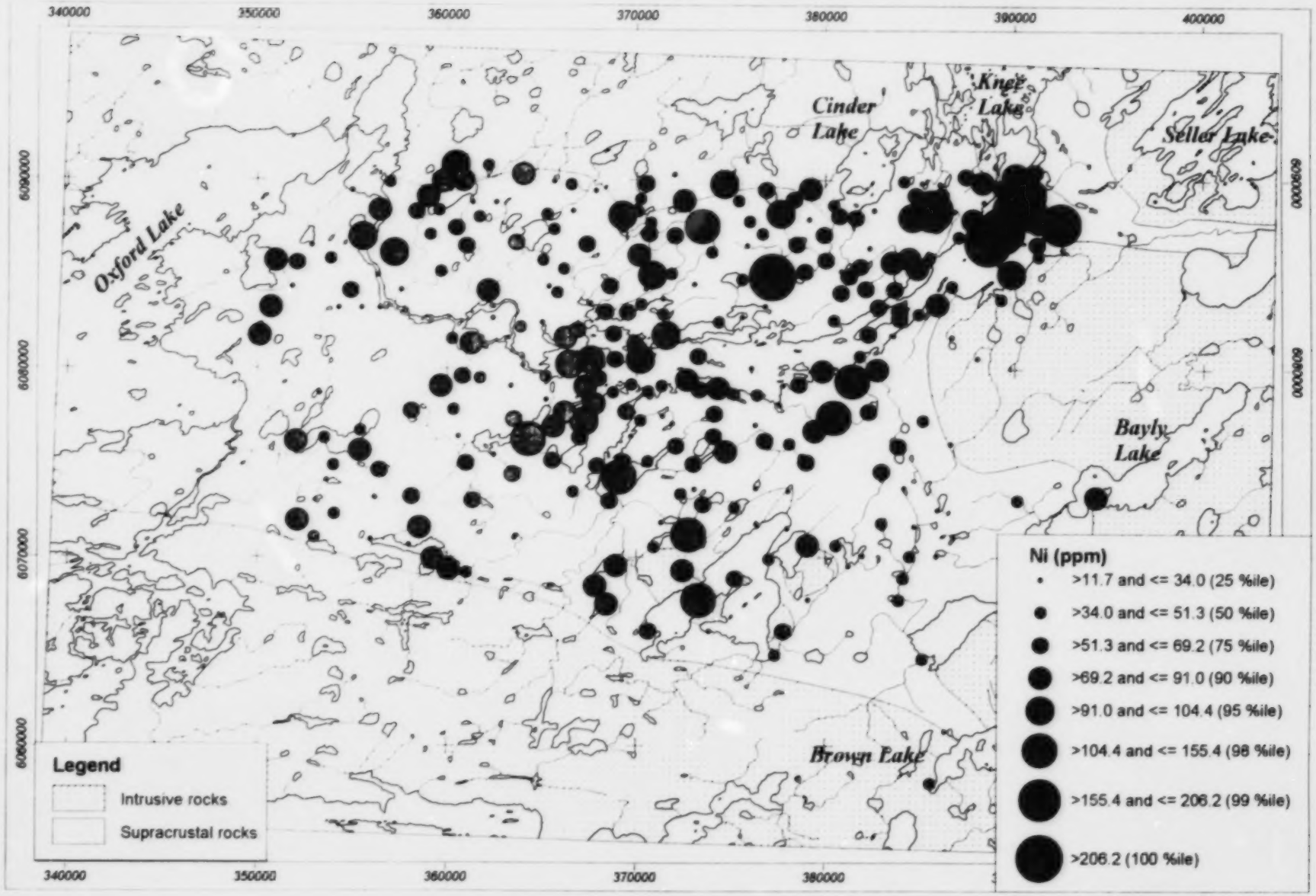
Black Spruce Crown Twigs - 294 samples
Ash / Aqua Regia Leach / ICP-AES

Appendix V-3-4



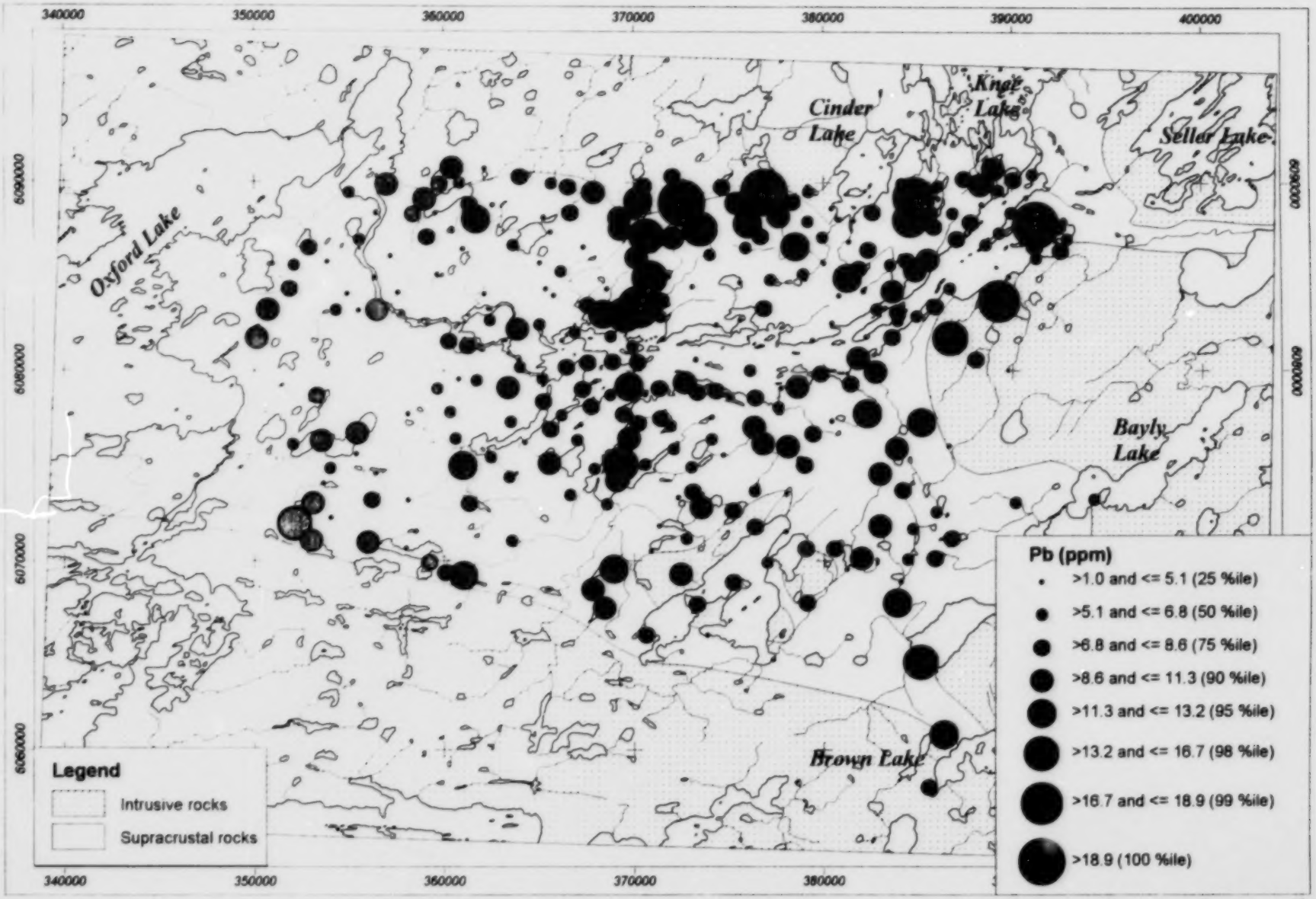
Black Spruce Crown Twigs - 294 samples
Ash / Aqua Regia Leach / ICP-AES

Appendix V-3-5



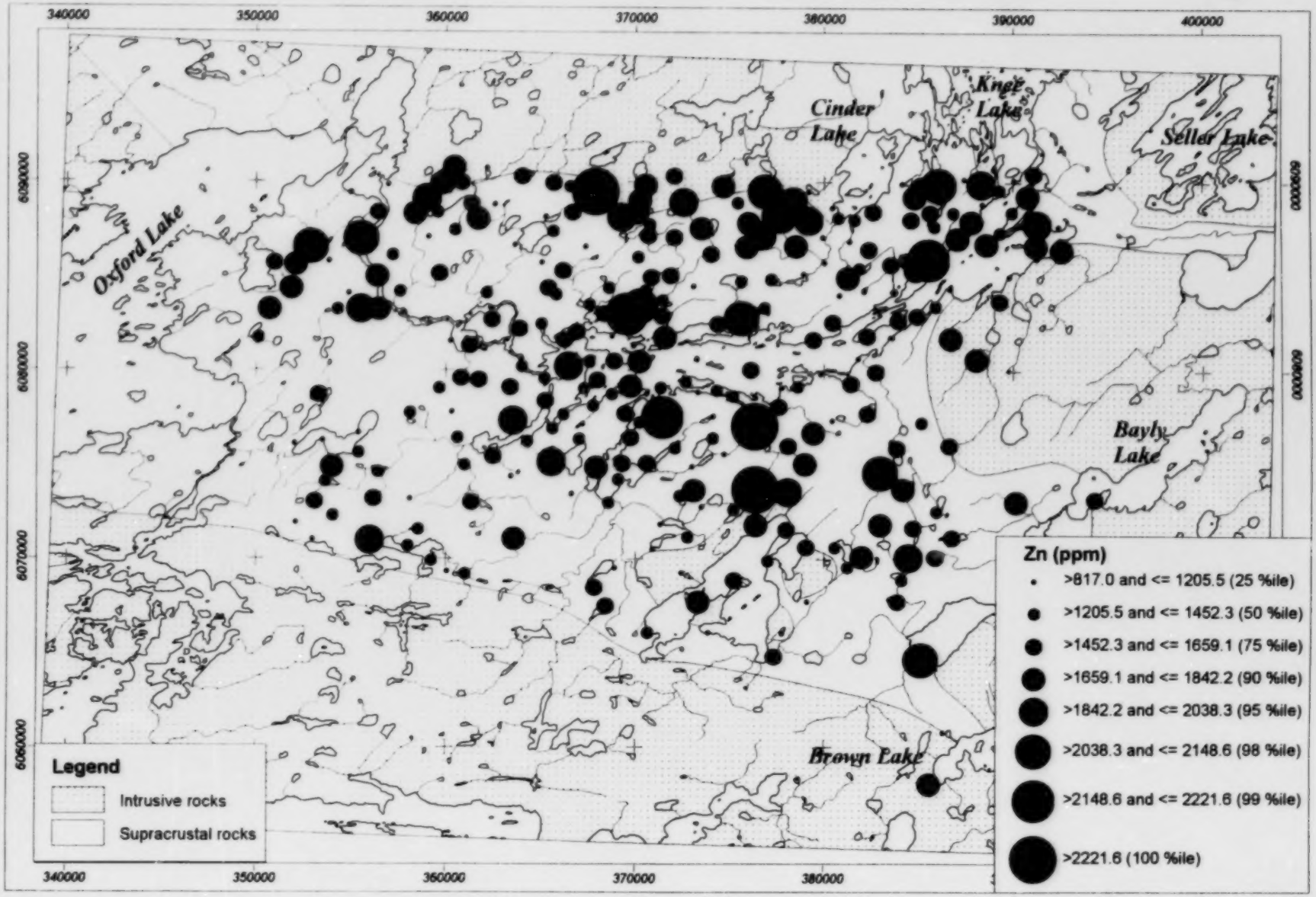
Black Spruce Crown Twigs - 294 samples
Ash / Aqua Regia Leach / ICP-AES

Appendix V-3-6



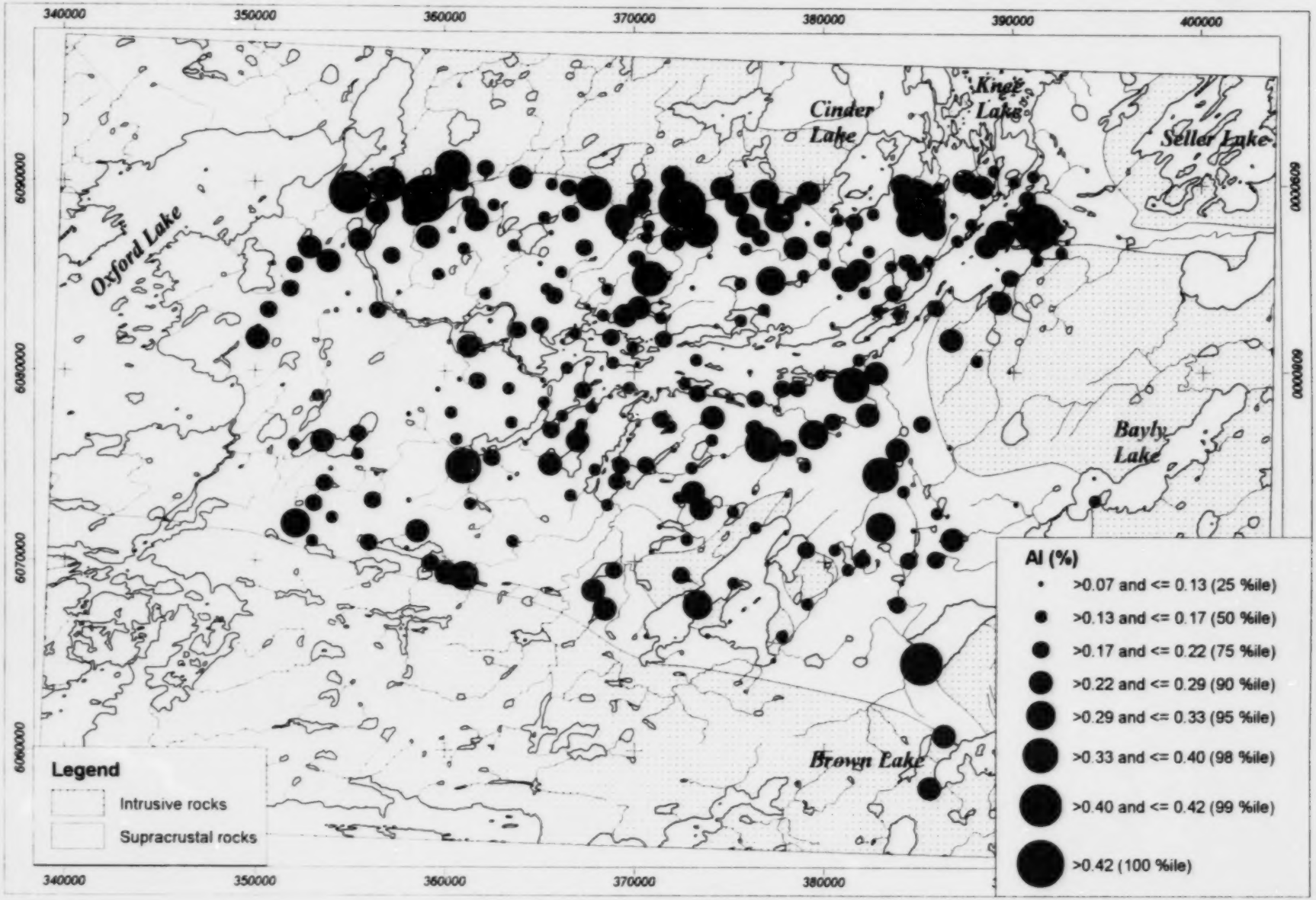
Black Spruce Crown Twigs - 294 samples
Ash / Aqua Regia Leach / ICP-AES

Appendix V-3-7



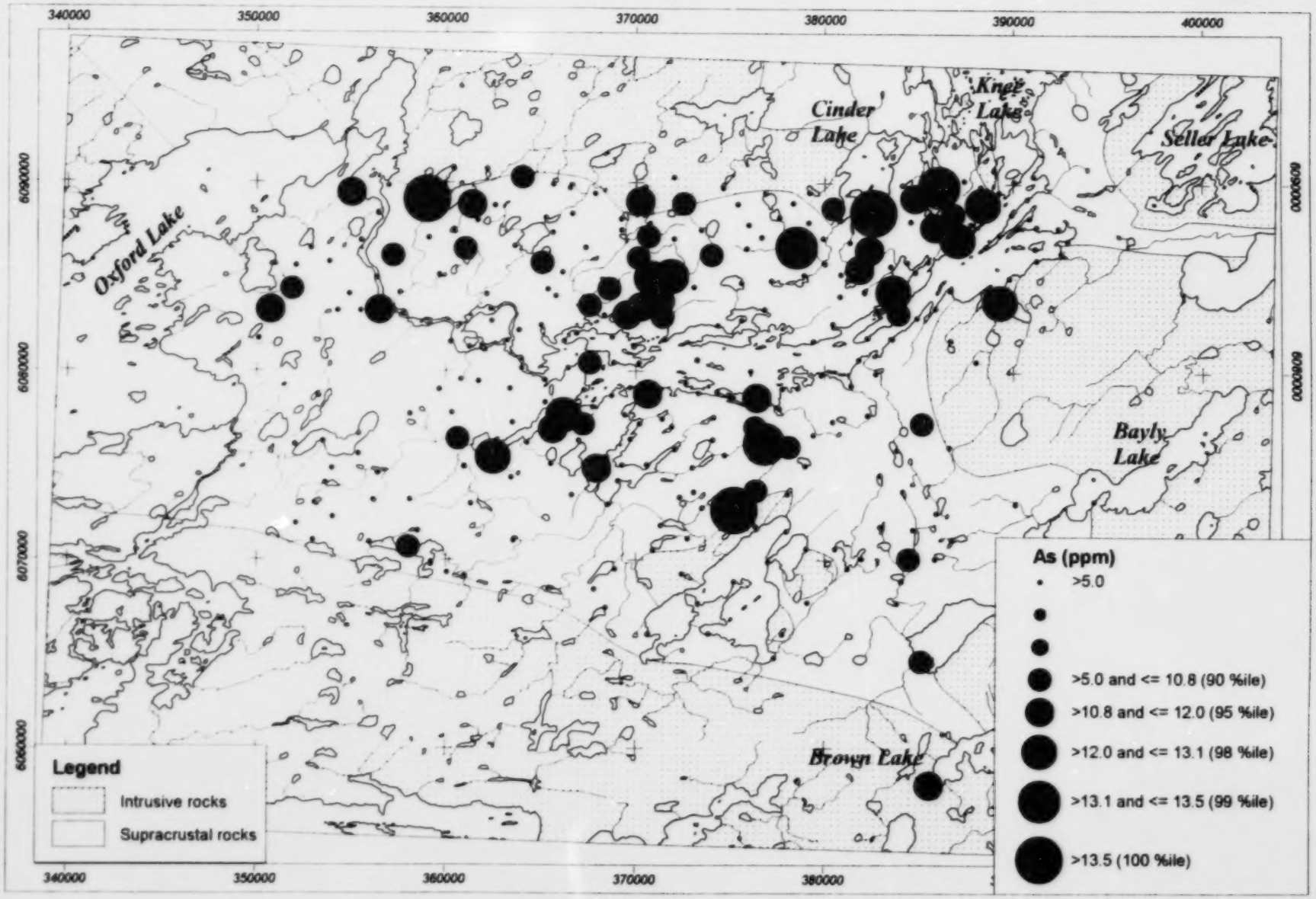
Black Spruce Crown Twigs - 294 samples
Ash / Aqua Regia Leach / ICP-AES

Appendix V-3-8



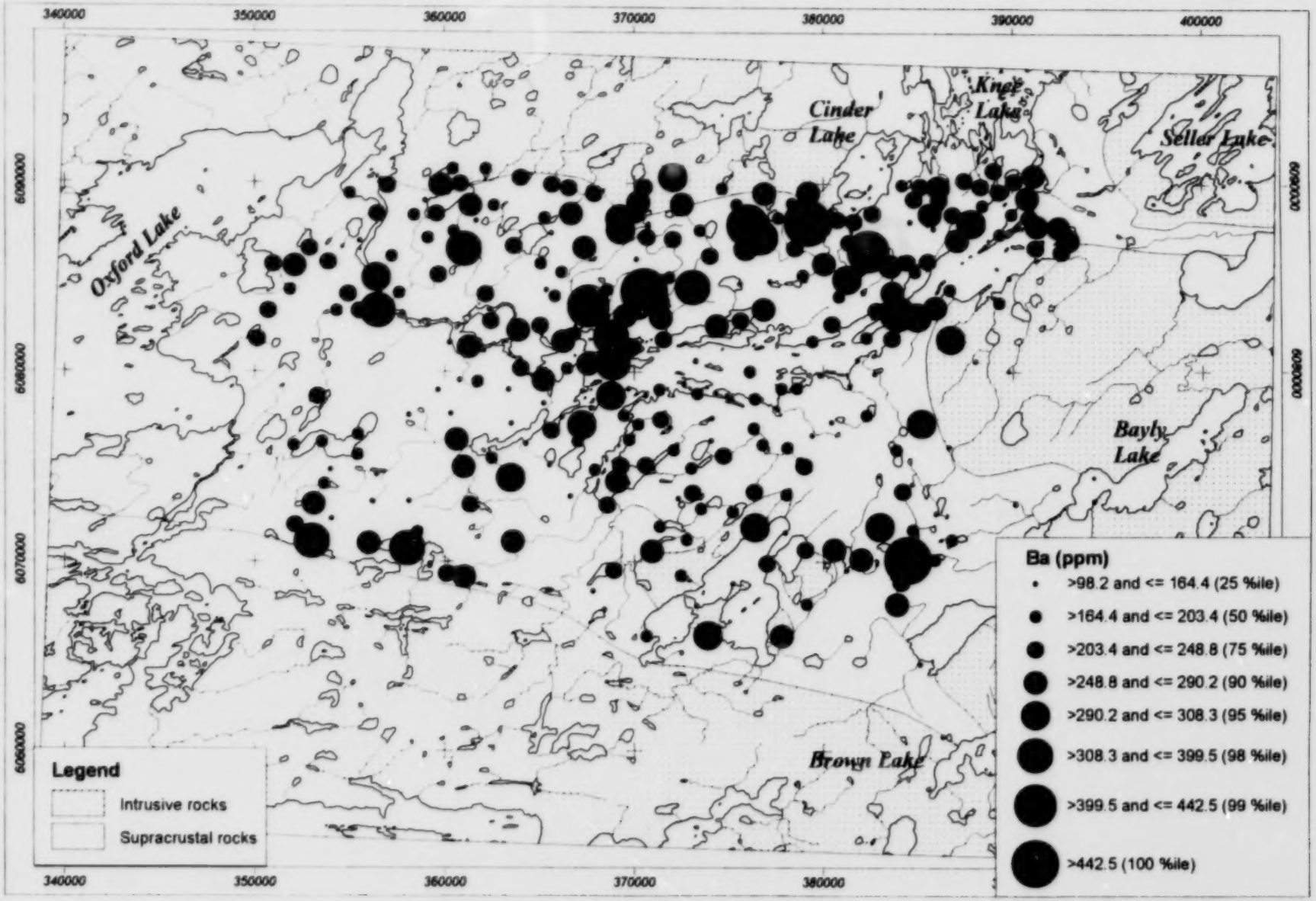
Black Spruce Crown Twigs - 294 samples
Ash / Aqua Regia Leach / ICP-AES

Appendix V-3-9



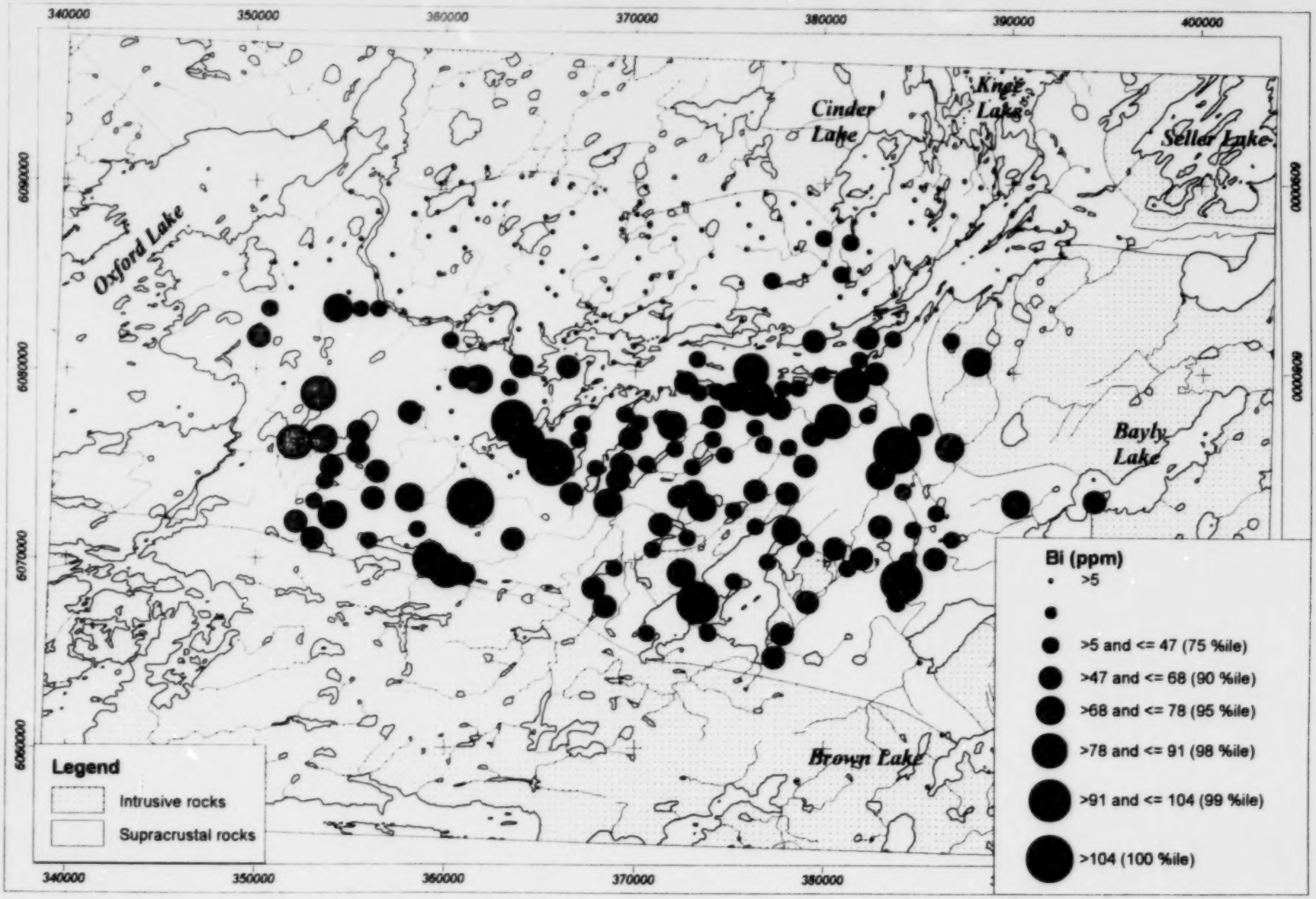
Black Spruce Crown Twigs - 294 samples
Ash / Aqua Regia Leach / ICP-AES

Appendix V-3-10



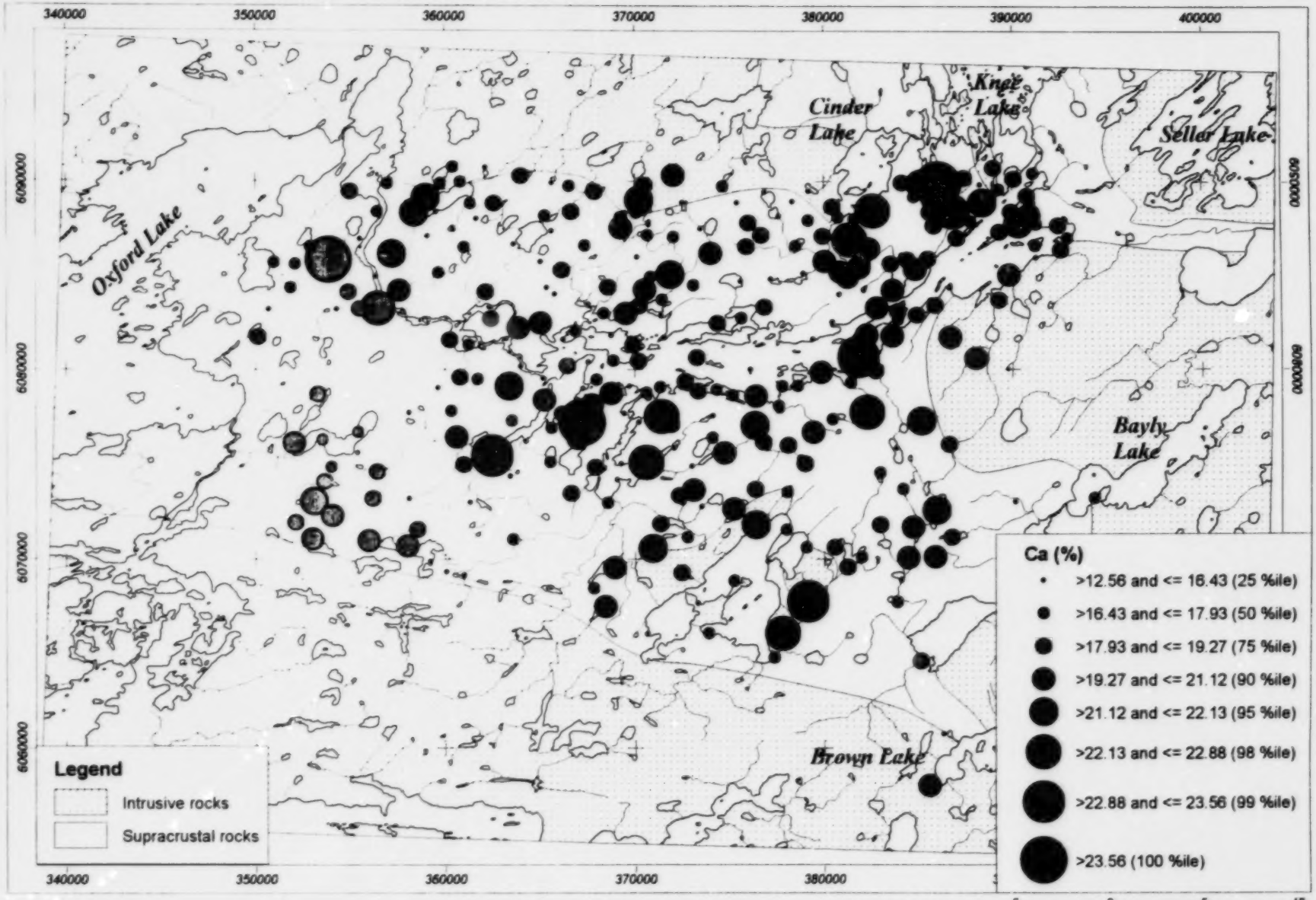
Black Spruce Crown Twigs - 294 samples
Ash / Aqua Regia Leach / ICP-AES

Appendix V-3-11



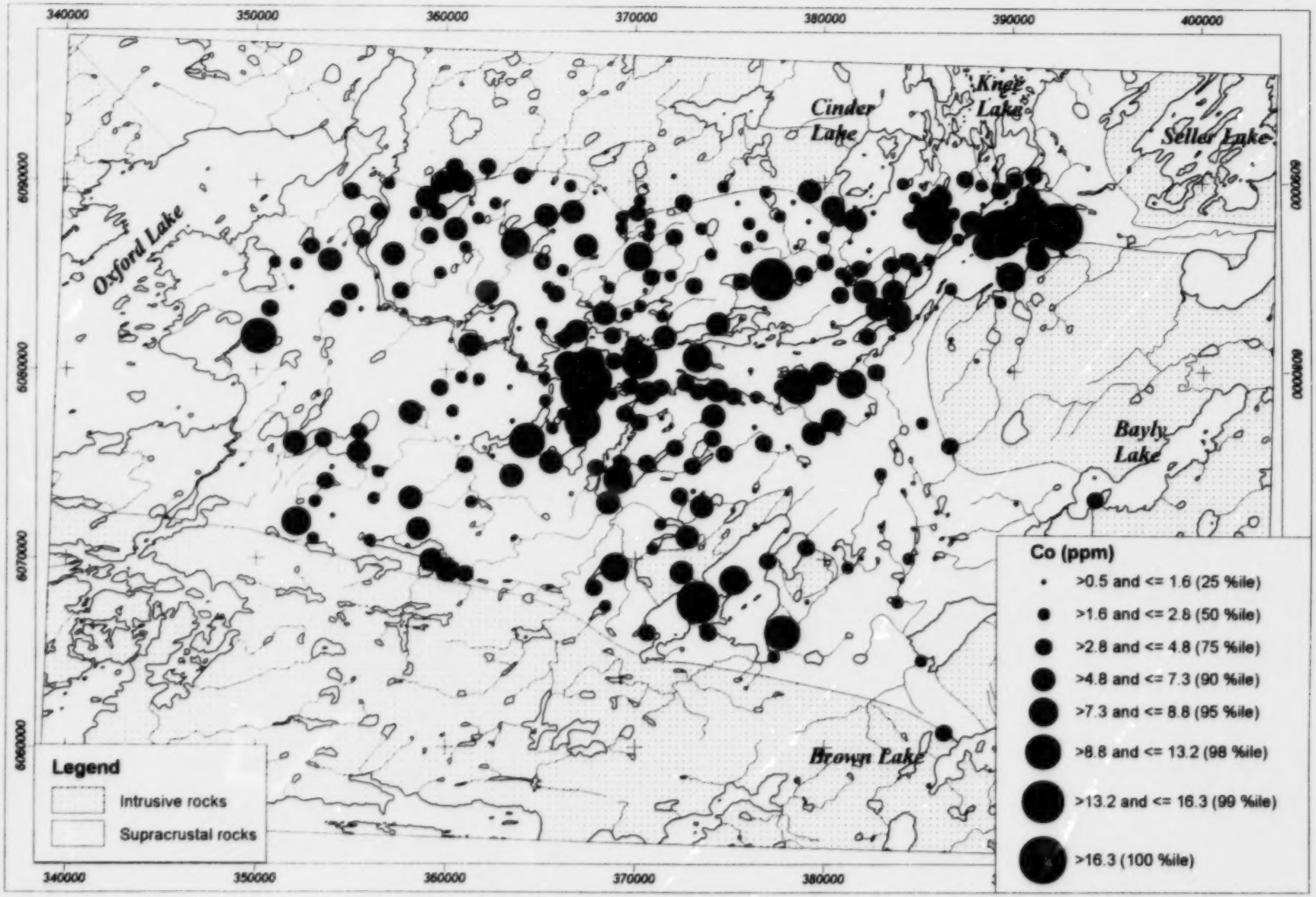
Black Spruce Crown Twigs - 294 samples
Ash / Aqua Regia Leach / ICP-AES

Appendix V-3-12



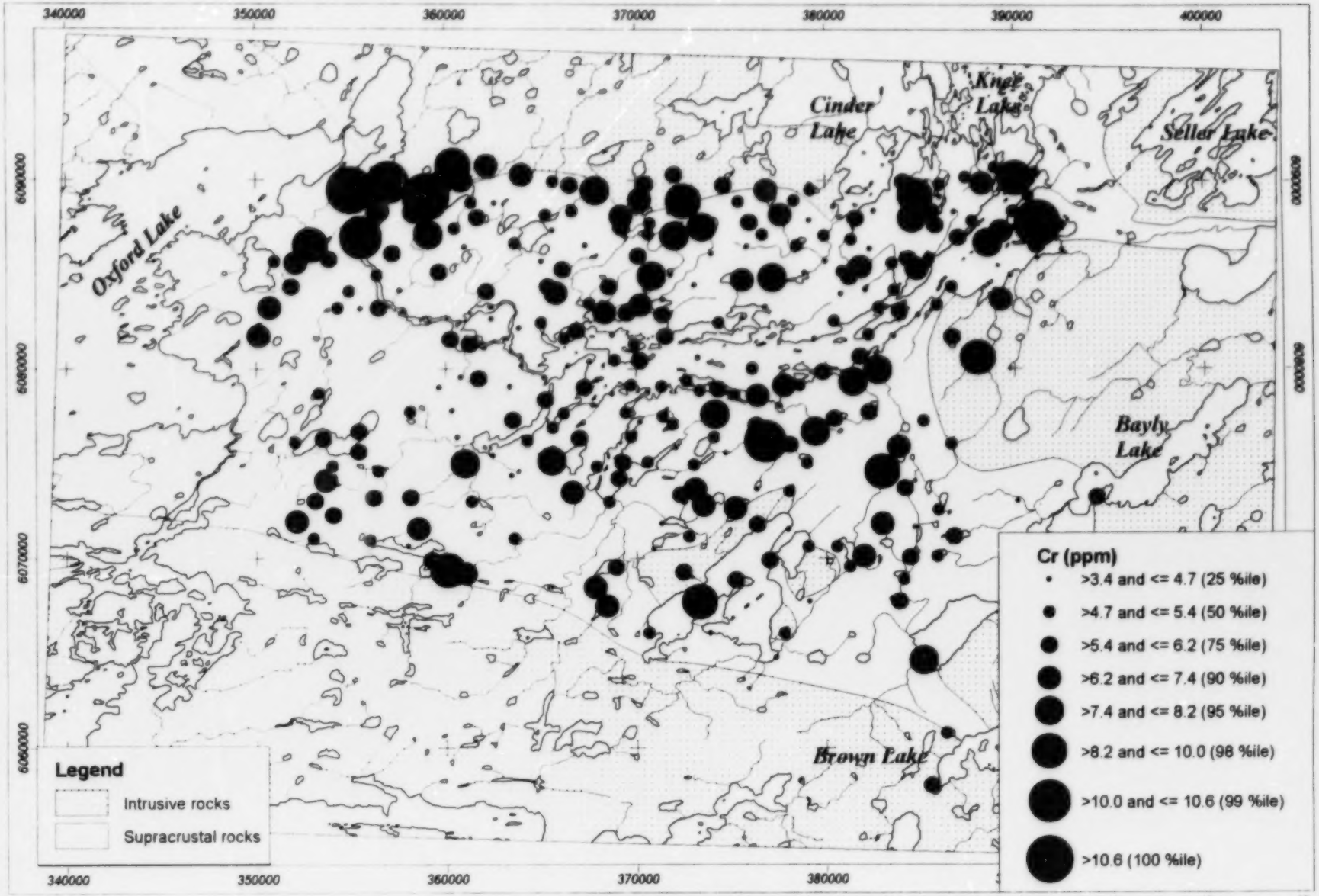
Black Spruce Crown Twigs - 294 samples
Ash / Aqua Regia Leach / ICP-AES

Appendix V-3-13

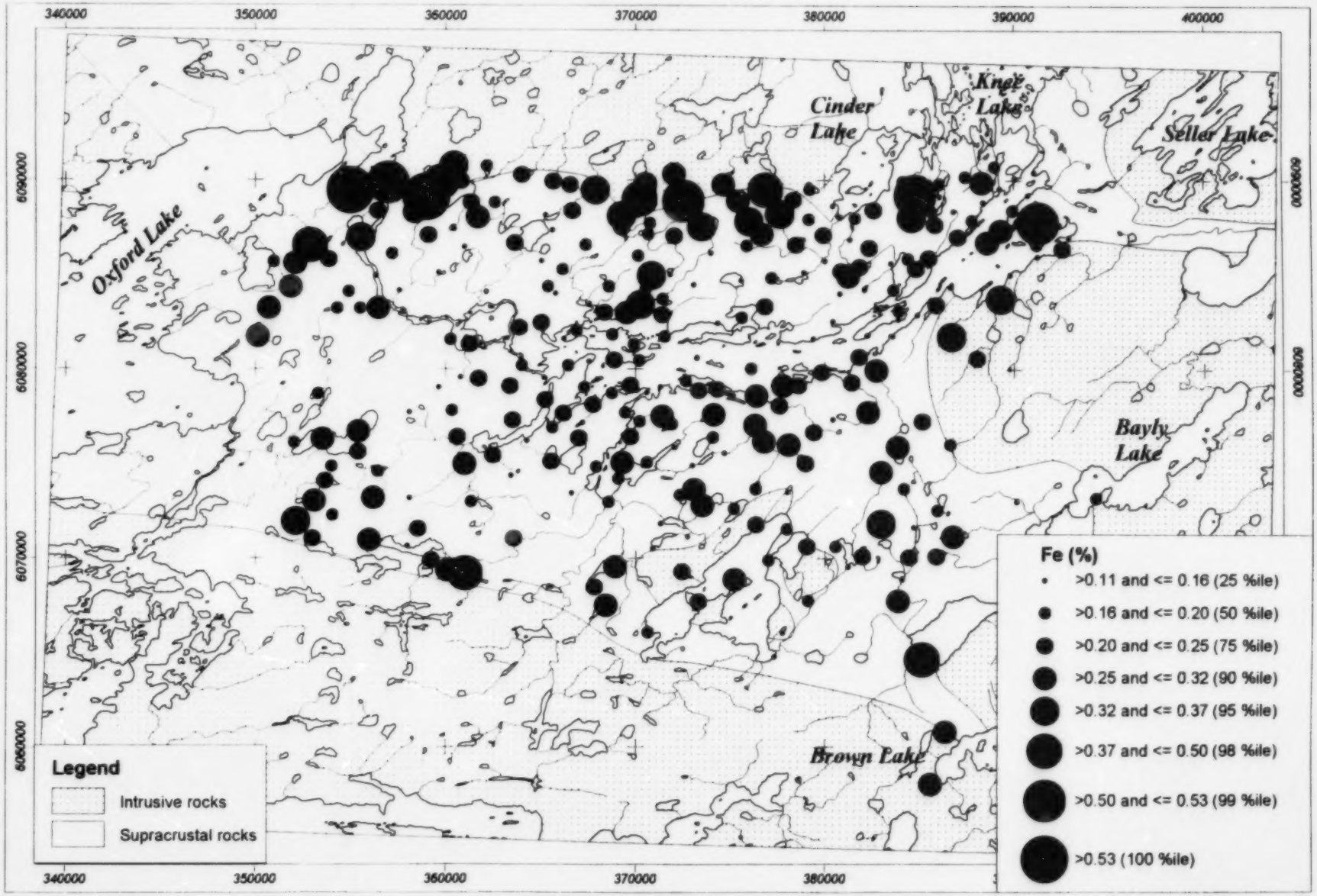


Black Spruce Crown Twigs - 294 samples
Ash / Aqua Regia Leach / ICP-AES

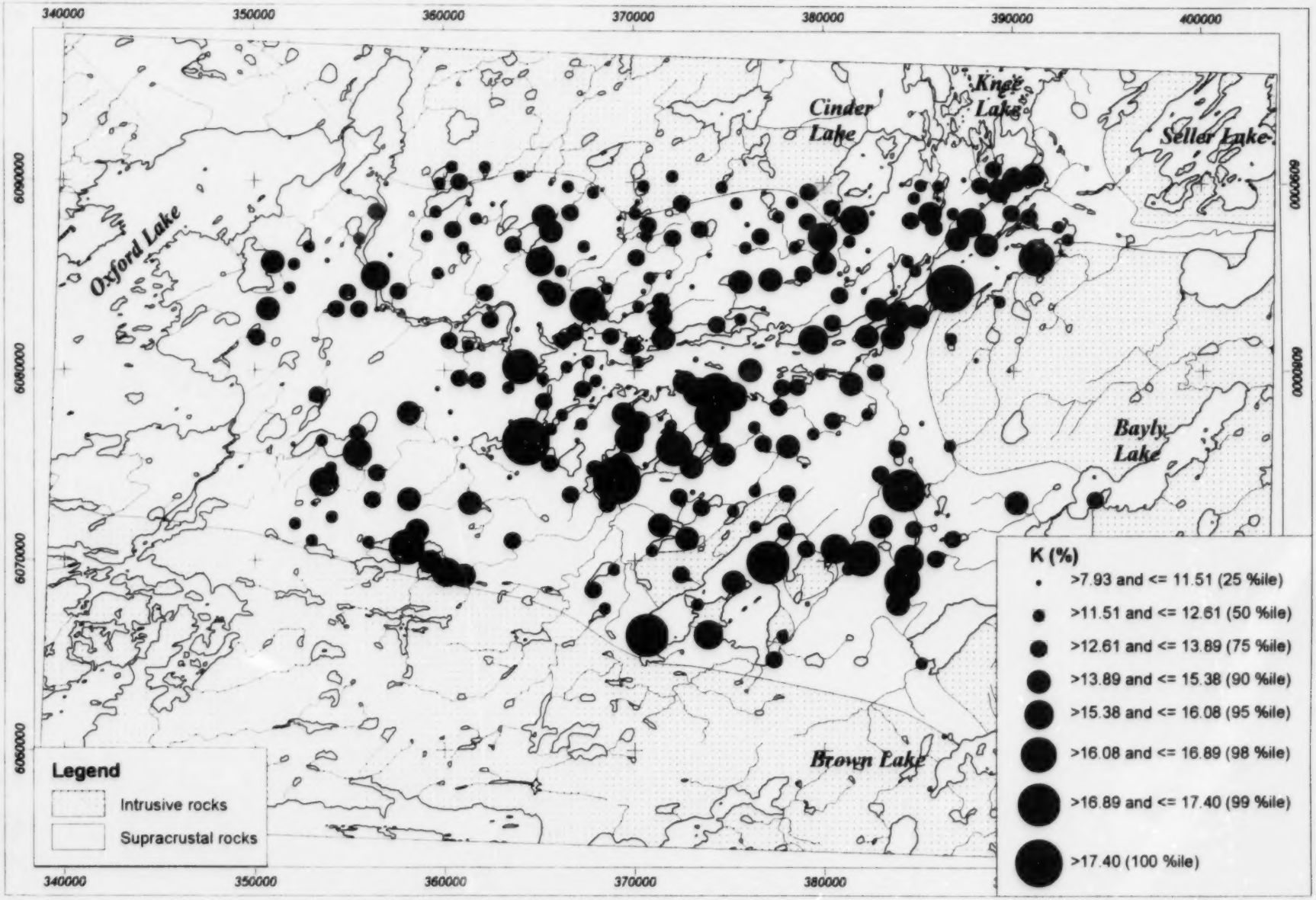
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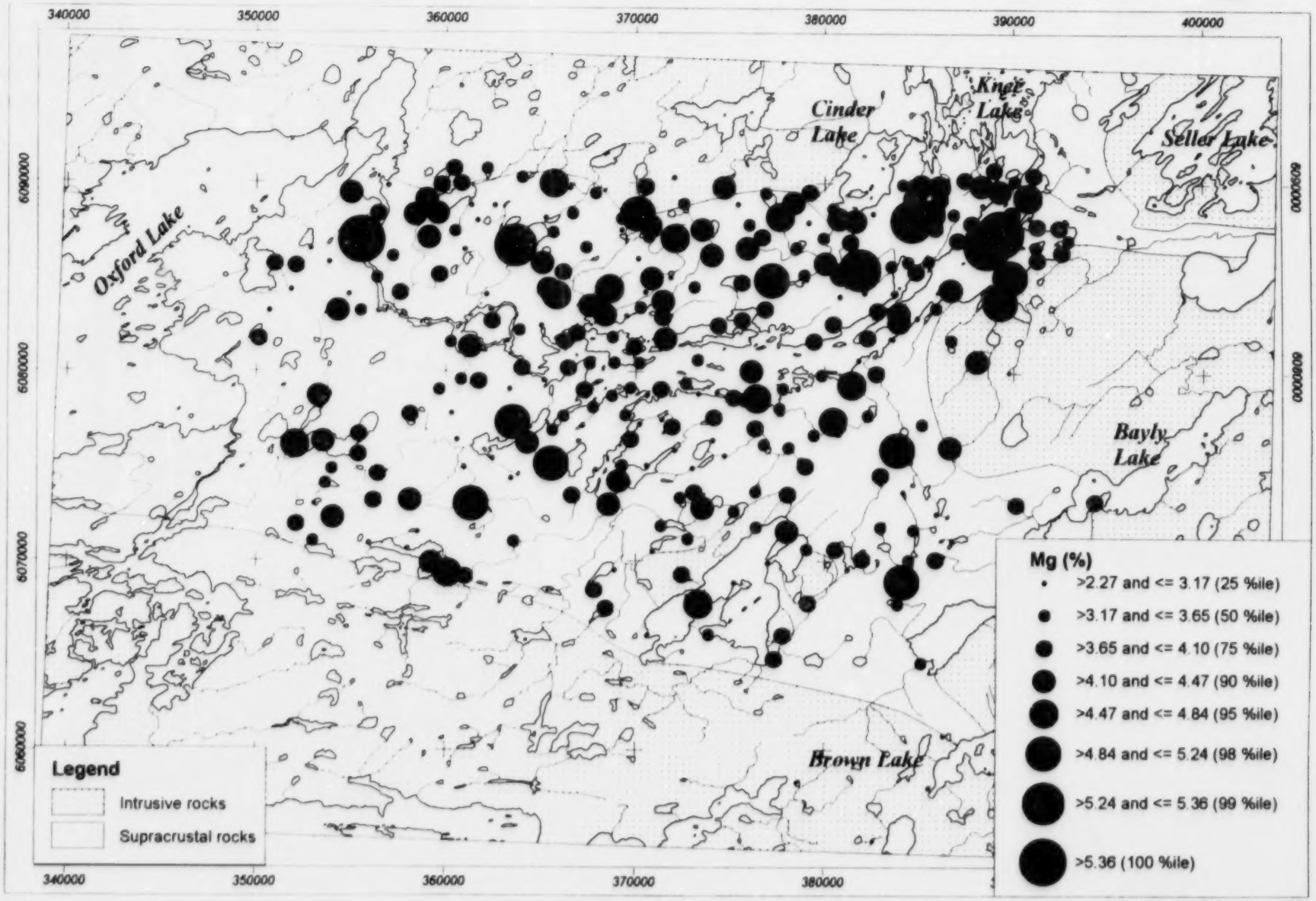
Black Spruce Crown Twigs - 294 samples
Ash / Aqua Regia Leach / ICP-AES



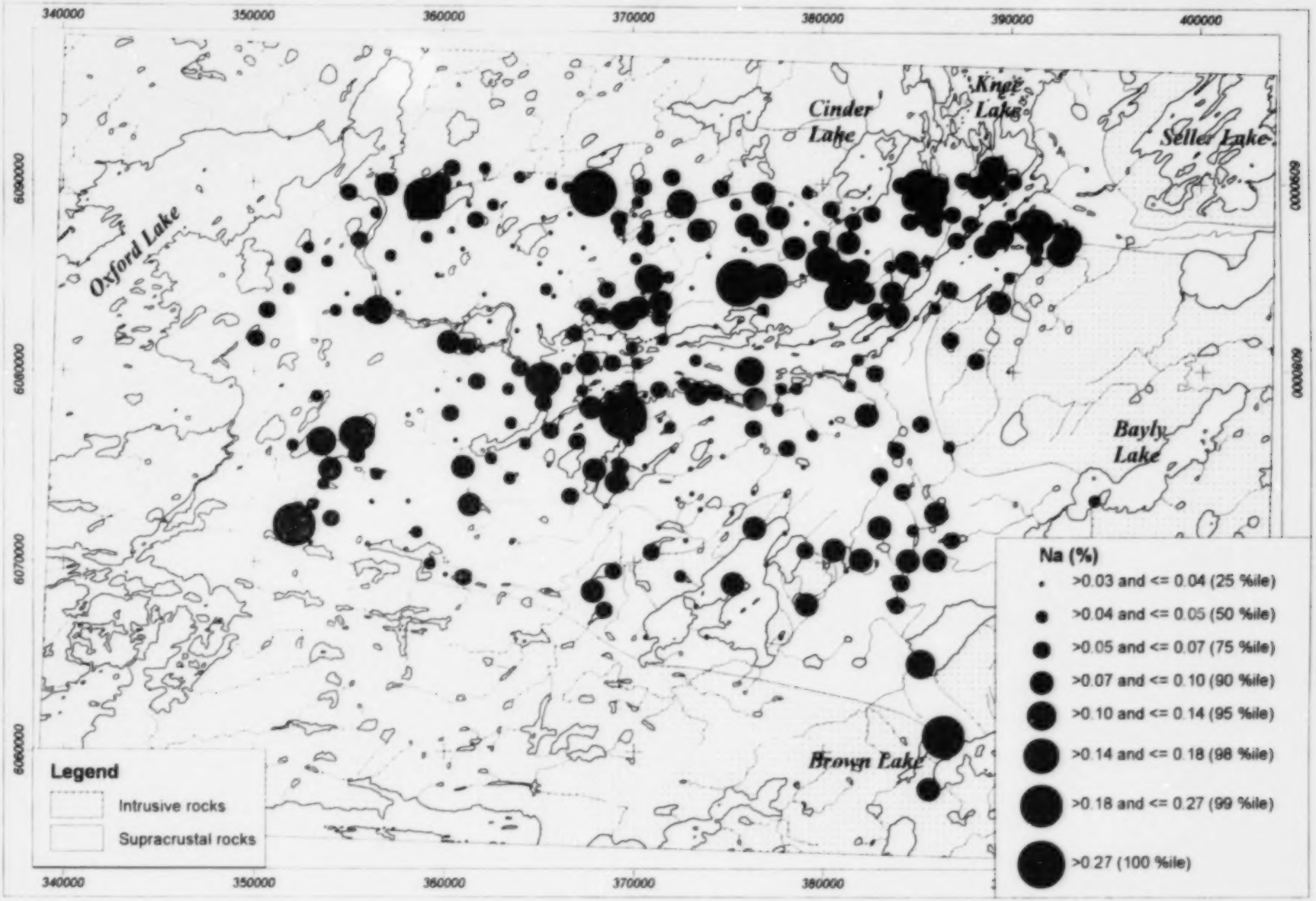
Black Spruce Crown Twigs - 294 samples
Ash / Aqua Regia Leach / ICP-AES



Black Spruce Crown Twigs - 294 samples
Ash / Aqua Regia Leach / ICP-AES

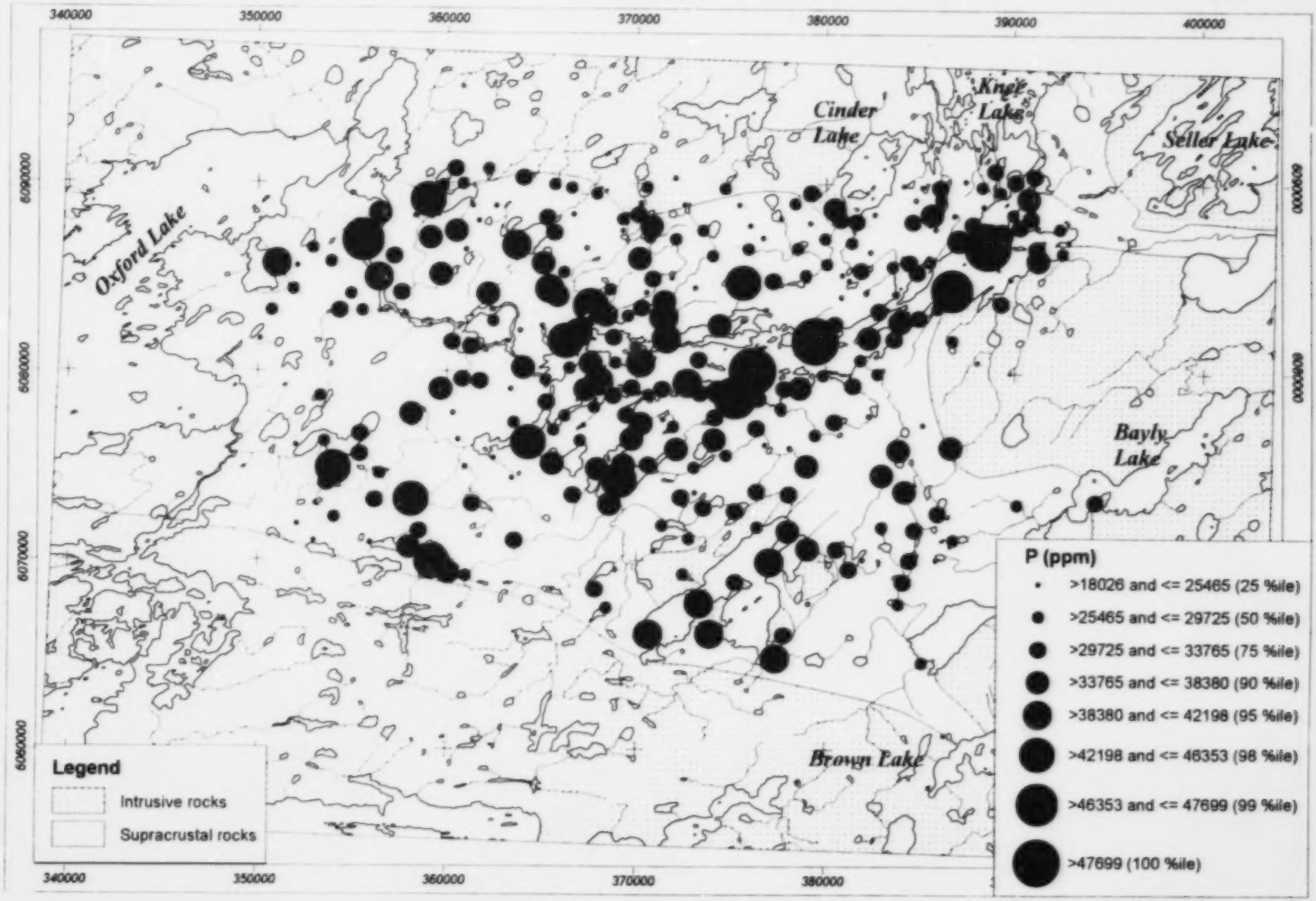


Black Spruce Crown Twigs - 294 samples
Ash / Aqua Regia Leach / ICP-AES

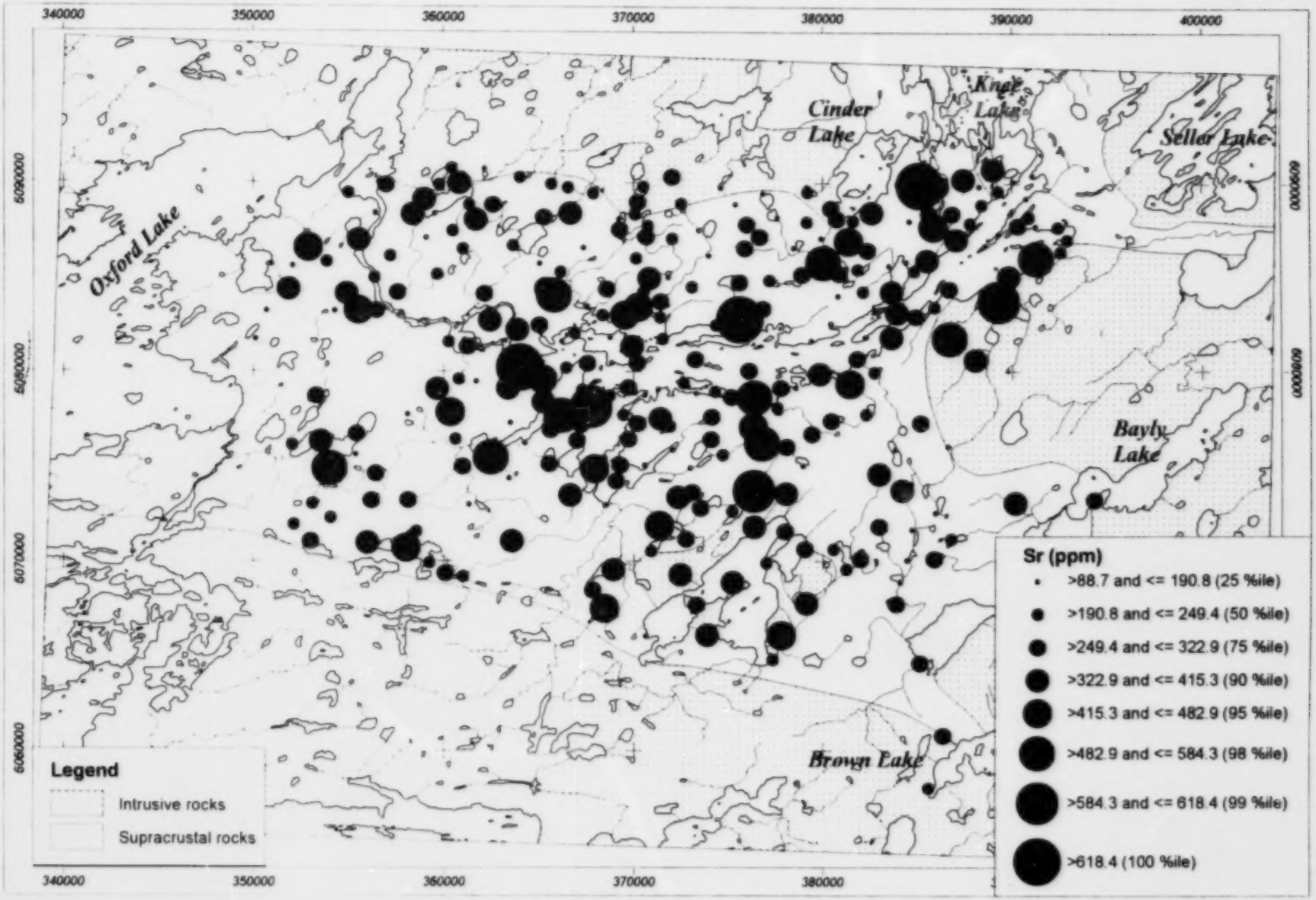


Black Spruce Crown Twigs - 294 samples
Ash / Aqua Regia Leach / ICP-AES

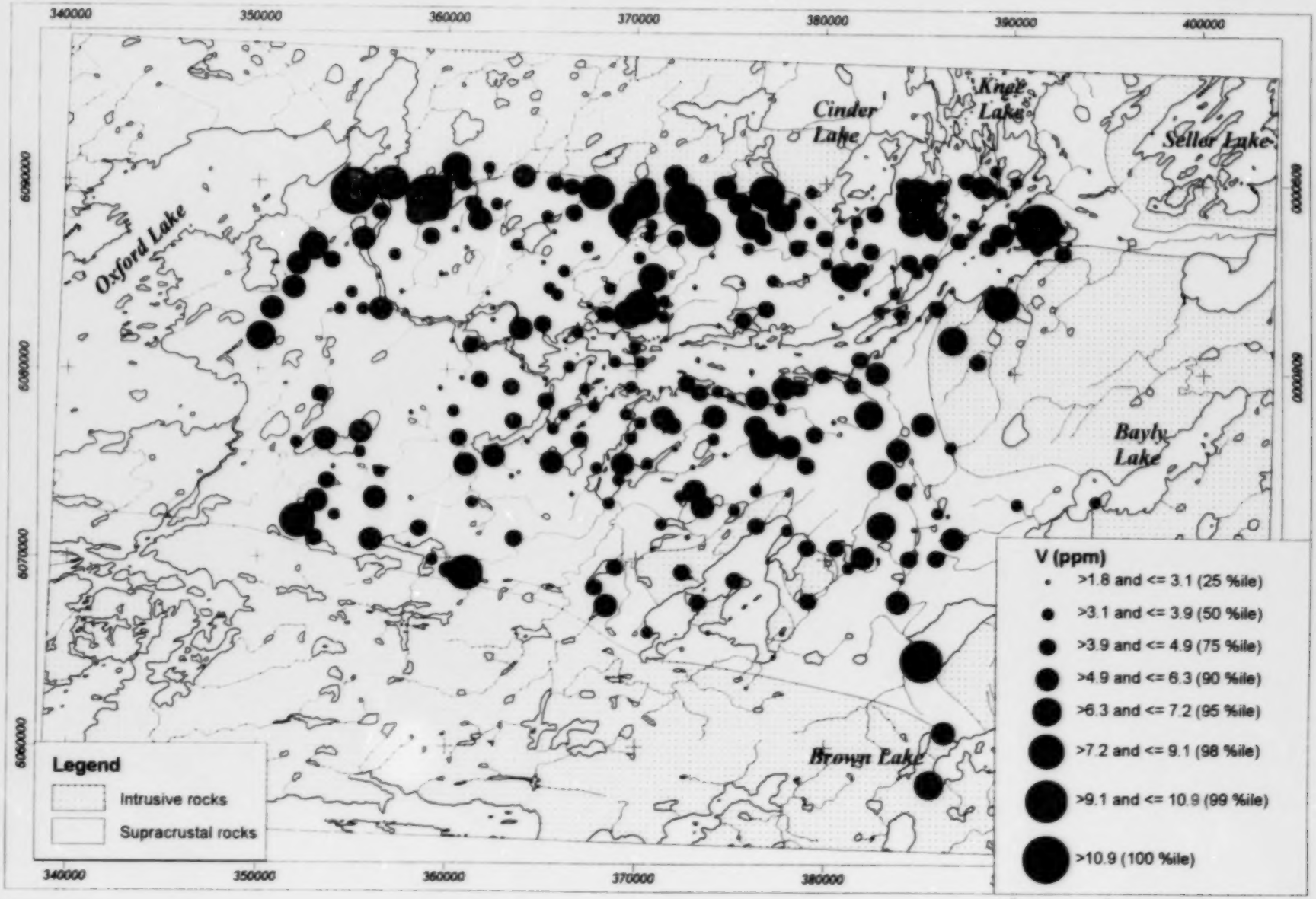
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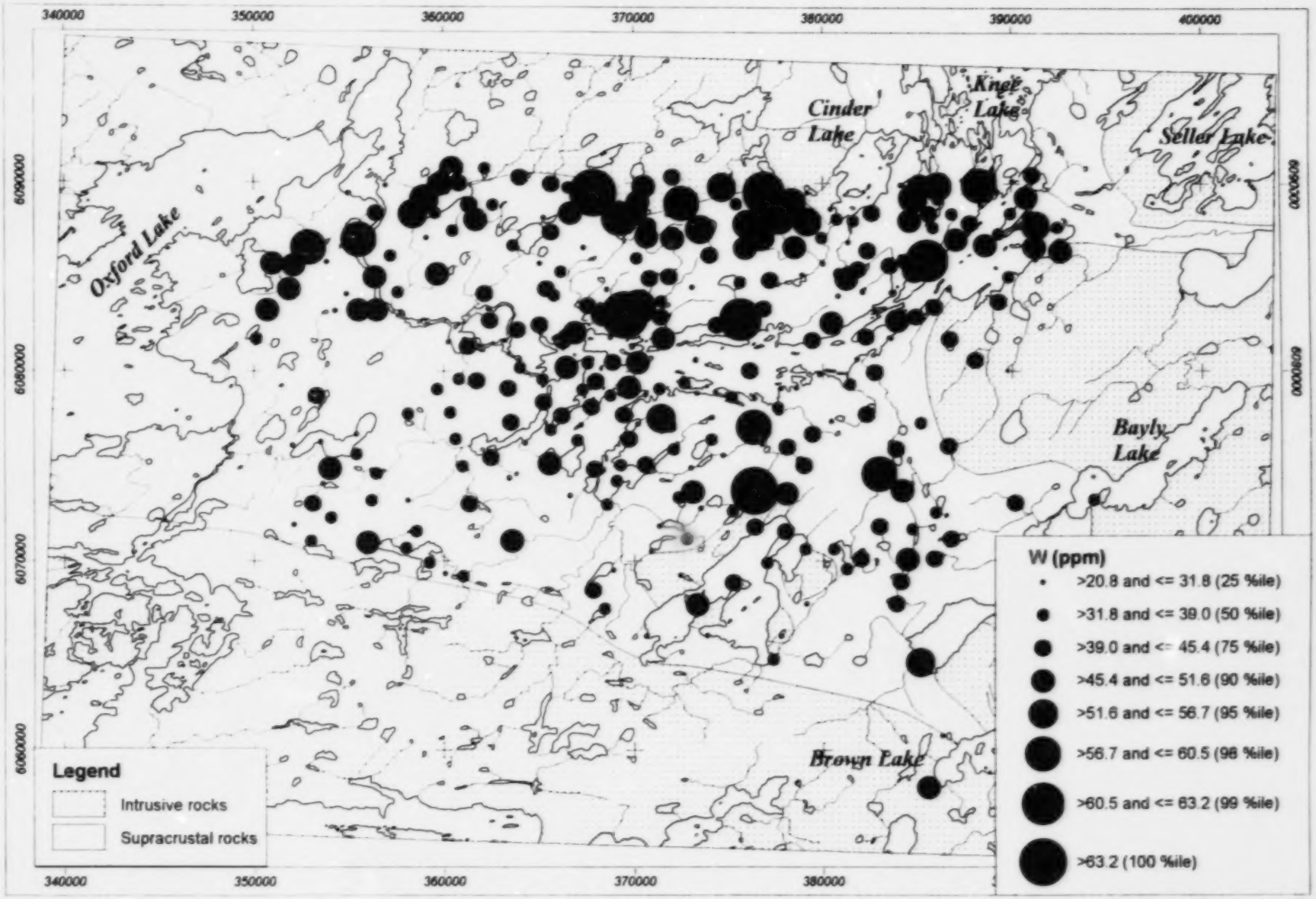
Black Spruce Crown Twigs - 294 samples
Ash / Aqua Regia Leach / ICP-AES



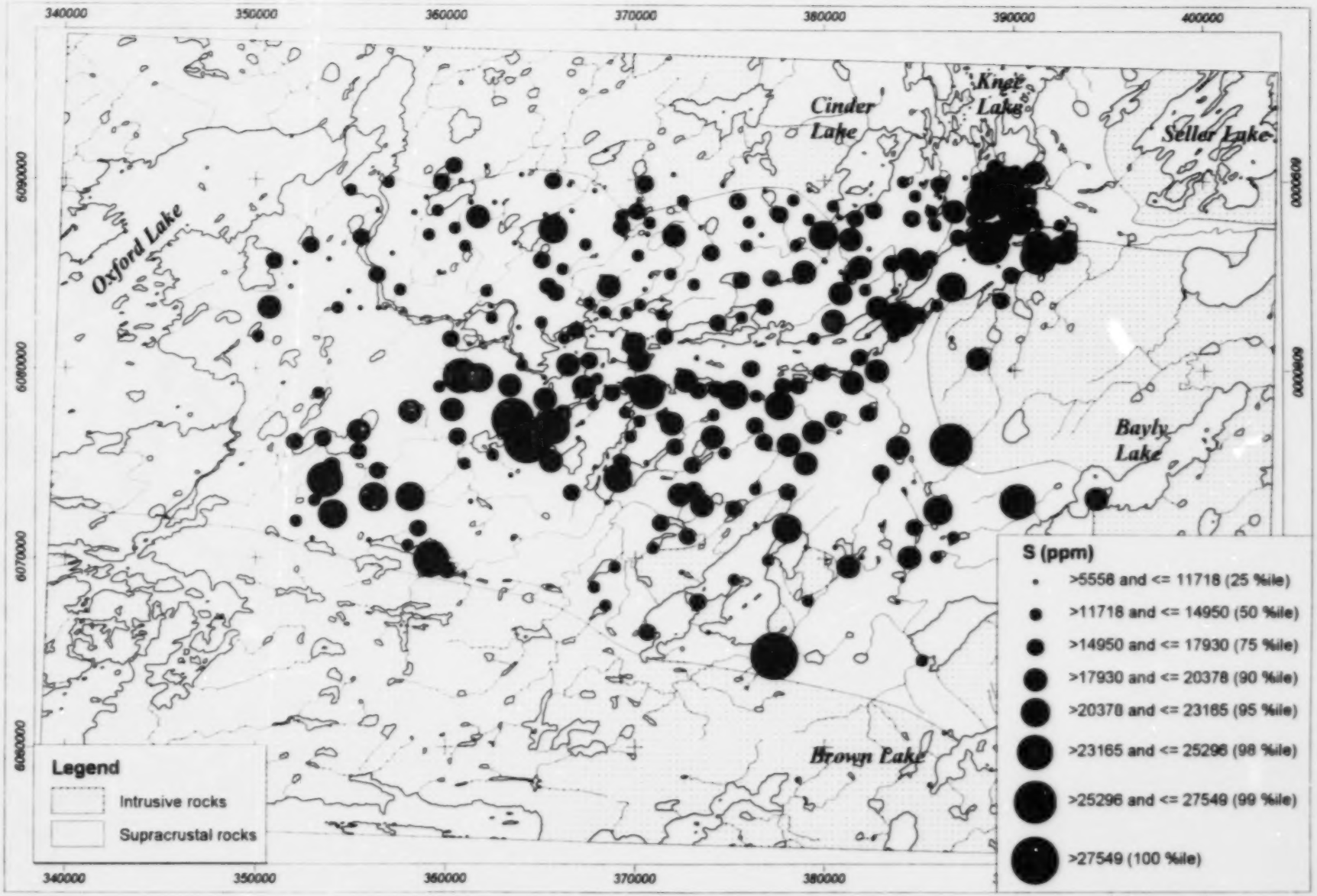
Black Spruce Crown Twigs - 294 samples
Ash / Aqua Regia Leach / ICP-AES



Black Spruce Crown Twigs - 294 samples
Ash / Aqua Regia Leach / ICP-AES



Black Spruce Crown Twigs - 294 samples
Ash / Aqua Regia Leach / ICP-AES



Black Spruce Crown Twigs - 294 samples
Ash / Aqua Regia Leach / ICP-AES

Appendix V-3-24

Appendix V-4

INA Analyses - Ashed Samples.

Sample Site	UTM		Ash	Au	As	Ba	Br	Ca	Co	Cr	Cs	Fe	Hf	K	Mo	Na	Ni	Rb	Sb
	Easting	Northing	%	ppb	ppm	ppm	ppm	%	ppm	ppm	ppm	%	ppm	%	ppm	ppm	ppm	ppm	ppm
99BST-1	381338.32	6086855.25	2.13	24	1.7	1100	22	30.2	3.0	7	3.1	0.19	0.3	20.5	1	1100	25	180	0.8
99BST-2	379928.11	6087059.58	1.77	31	2.0	490	33	23.6	5.0	7	2.4	0.30	0.3	25.8	1	1130	80	220	1.8
99BST-3	380864.52	6085155.70	2.04	6	1.4	690	23	28.3	3.0	7	4.5	0.32	0.6	18.2	1	1970	25	200	0.5
99BST-4	385575.87	6057998.38	1.97	9	1.1	830	39	31.7	4.0	10	1.4	0.44	0.7	15.4	1	1980	25	68	0.4
99BST-5	386340.97	6060776.00	1.56	33	2.0	1600	42	30.6	7.0	12	9.1	0.50	0.7	19.3	1	4770	25	230	0.6
99BST-6	385118.63	6064597.68	1.69	9	3.5	580	38	27.3	5.0	7	2.9	0.69	0.9	18.2	4	2570	25	110	0.6
99BST-7 Analytical Duplicate	380012.55	6085720.22	1.90	13	1.6	1200	36	28.3	8.0	1	2.8	0.25	0.5	24.0	1	1810	25	210	0.4
99BST-7 Analytical Duplicate	380012.55	6085720.22	1.90	17	0.3	1200	40	28.9	8.0	5	2.3	0.22	0.3	23.6	1	1950	61	210	0.5
99BST-8	381843.70	6085393.08	1.51	6	1.3	540	28	28.6	7.0	6	15.0	0.27	0.5	17.7	5	1290	25	500	0.5
99BST-9	381226.37	6084881.63	1.81	6	2.9	710	33	28.5	4.0	10	1.5	0.41	0.3	17.7	1	2090	64	88	0.4
99BST-10	380814.98	6083990.92	1.83	40	1.0	1400	27	22.7	9.0	1	11.0	0.23	0.3	28.3	1	2540	25	450	0.4
99BST-11	382124.73	6084199.82	1.64	20	1.5	2000	27	29.1	14.0	6	18.0	0.29	0.3	19.3	1	1850	25	500	0.5
99BST-12	384139.45	6089907.45	2.02	20	1.3	1100	28	28.9	6.0	5	4.3	0.26	0.6	17.7	1	1330	25	270	0.4
99BST-13	385120.09	6089836.36	2.20	42	1.2	1100	17	27.2	2.0	5	0.9	0.20	0.3	19.2	1	2110	25	90	0.2
99BST-14	386060.67	6089790.62	2.14	27	1.5	900	19	29.9	3.0	1	1.4	0.19	0.6	16.3	1	960	25	62	0.3
99BST-15	385609.68	6088356.80	1.48	9	1.8	1000	26	23.5	14.0	6	18.0	0.20	0.3	26.1	1	1590	150	390	0.6
99BST-16	386107.09	6089134.20	2.20	7	0.9	950	19	30.4	8.0	5	5.6	0.19	0.3	15.5	1	939	25	200	0.2
99BST-17	386831.55	6088342.61	2.07	15	0.7	920	22	28.4	3.0	1	5.9	0.15	0.3	20.3	1	741	25	250	0.2
99BST-18	384402.98	6085799.86	1.80	8	1.3	400	36	25.9	6.0	7	1.8	0.28	0.7	23.4	1	1640	25	140	0.3
99BST-19	383518.94	6085591.65	2.01	8	0.8	960	34	28.7	7.0	3	2.2	0.20	0.3	19.5	1	1020	25	200	0.3
99BST-20	385498.35	6085864.44	1.73	13	1.2	1400	23	27.2	5.0	9	3.1	0.33	0.3	19.5	3	1560	70	370	0.3
99BST-21-1 Field Duplicate	384823.47	6085301.09	1.80	10	1.1	1000	32	27.0	5.0	5	3.3	0.20	0.5	20.5	1	1100	120	180	0.2
99BST-21-2 Field Duplicate	384823.47	6085301.09	1.80	16	2.4	1400	34	25.5	6.0	7	2.9	0.35	0.3	18.8	1	1430	74	120	0.4
99BST-22	383626.62	6084172.60	2.06	14	0.8	730	36	27.9	11.0	7	7.8	0.21	0.3	23.5	1	1110	57	410	0.4
99BST-23	382797.60	6083251.65	2.30	8	1.7	1400	30	29.2	9.0	5	5.4	0.23	0.3	18.5	1	1480	75	300	0.3
99BST-24 Analytical Duplicate	383922.80	6083064.31	2.14	31	2.3	1100	33	25.3	11.0	7	13.0	0.24	0.3	21.3	1	1310	25	300	0.5
99BST-24 Analytical Duplicate	383922.80	6083064.31	2.14	3	2.2	1100	32	26.3	12.0	7	12.0	0.25	0.3	22.6	1	1260	80	310	0.5
99BST-25	390069.10	6090107.94	1.87	5	6.4	690	30	24.7	8.0	6	3.5	0.20	0.3	26.3	1	1010	25	250	0.5
99BST-26	389273.35	6089551.83	2.00	6	1.3	660	21	24.2	5.0	4	2.3	0.21	0.3	25.7	1	1170	60	280	0.3
99BST-27	388381.58	6088845.50	1.96	11	1.0	620	18	32.9	3.0	3	2.2	0.25	0.3	16.8	1	1030	25	180	0.3
99BST-28	391096.14	6090415.34	1.66	14	1.2	740	32	25.6	7.0	6	16.0	0.22	0.3	21.9	1	1020	100	440	0.5
99BST-29	390765.20	6089215.18	1.89	12	1.6	910	26	27.7	9.0	3	15.0	0.21	0.3	18.9	5	702	130	330	0.4
99BST-30	389922.08	6088381.30	2.01	19	1.0	1400	32	24.5	7.0	5	5.4	0.22	0.6	23.9	1	1140	170	210	0.3
99BST-31	387776.64	6087871.04	1.83	8	1.4	1000	24	22.3	8.0	2	1.7	0.21	0.3	28.5	1	1050	25	170	0.3
99BST-32	389281.25	6087309.72	1.85	3	1.8	1000	12	26.4	32.0	10	50.0	0.41	0.6	13.3	4	2380	220	260	1.4
99BST-33	387035.08	6086978.20	1.68	6	2.3	790	32	25.0	4.0	7	1.2	0.28	0.6	25.3	1	1250	25	240	0.3
99BST-34	388567.46	6086677.37	1.56	8	1.2	430	15	19.0	13.0	1	17.0	0.35	0.3	25.0	1	1590	230	370	0.7
99BST-35	390865.79	6088176.15	1.78	10	1.2	1100	17	28.2	19.0	1	46.0	0.21	0.3	20.9	1	918	80	840	1.1
99BST-36	390299.61	6087715.51	2.35	7	0.9	1800	18	26.1	14.0	4	4.4	0.24	0.3	17.2	1	915	54	190	0.3
99BST-37	391242.83	6087718.12	1.55	8	3.9	540	41	22.8	5.0	16	4.0	0.69	1.1	20.4	1	3270	95	120	0.6
99BST-38	392410.86	6087648.10	1.75	3	1.7	1000	21	28.1	59.0	7	22.0	0.21	0.3	21.0	1	1000	140	390	0.6
99BST-39	392898.97	6086971.53	2.20	43	1.2	680	22	26.4	3.0	6	7.3	0.20	0.3	23.5	1	1940	25	200	0.2
99BST-40	392559.91	6086340.04	1.78	54	1.4	650	18	28.5	4.0	6	5.0	0.31	0.6	19.1	1	2600	25	190	0.2

Sample Site	UTM		Ash	Au	As	Ba	Br	Ca	Co	Cr	Cs	Fe	Hf	K	Mo	Na	Ni	Rb	Sb
	Easting	Northing	%	ppb	ppm	ppm	ppm	%	ppm	ppm	ppm	%	ppm	%	ppm	ppm	ppm	ppm	ppm
99BST-41-1 Field Duplicate	391167.56	6086589.75	2.08	6	1.4	460	30	24.2	7.0	4	2.5	0.23	0.3	24.2	1	1040	25	240	0.2
99BST-41-2 Field Duplicate	391167.56	6086589.75	1.65	11	1.6	340	30	28.3	6.0	5	2.5	0.33	0.3	20.8	1	1370	25	210	0.3
99BST-42 Analytical Duplicate	391238.39	6085940.29	2.14	3	1.1	2400	23	21.5	8.0	1	7.9	0.19	0.5	28.5	5	736	85	380	0.3
99BST-42 Analytical Duplicate	391238.39	6085940.29	2.14	6	0.9	2500	25	22.1	9.0	1	8.6	0.20	0.3	29.2	1	805	25	380	0.1
99BST-43	389804.68	6084999.49	1.93	9	1.9	1600	16	28.2	12.0	5	48.0	0.18	0.3	18.1	1	834	80	530	1.1
99BST-44	389261.00	6083667.72	1.77	22	2.3	890	25	24.3	4.0	6	1.3	0.44	0.3	20.5	1	1640	25	89	0.3
99BST-45	386653.33	6084343.11	2.00	7	1.2	560	24	18.2	5.0	6	3.3	0.22	0.3	30.7	1	1070	25	390	0.3
99BST-46	385883.41	6083393.71	1.78	3	1.8	1100	26	26.8	4.0	7	2.1	0.32	0.3	16.1	1	1190	110	160	0.3
99BST-47	384919.22	6082875.51	1.92	6	1.5	1100	22	27.5	3.0	4	1.4	0.21	0.3	26.1	1	908	25	200	0.3
99BST-48	383904.64	6082648.05	2.00	6	0.9	950	36	23.5	8.0	3	2.7	0.20	0.3	24.2	1	873	25	230	0.2
99BST-49	388981.01	6090705.90	2.12	6	1.2	890	20	32.2	3.0	5	4.2	0.25	0.3	23.2	1	1730	25	160	0.3
99BST-50	387427.39	6090166.15	1.97	3	1.7	770	21	26.9	8.0	8	4.4	0.27	0.3	17.1	4	1360	25	270	0.2
99BST-51	385816.88	6087616.81	1.94	7	1.2	1000	22	31.7	2.0	5	4.7	0.26	0.3	17.4	1	1190	25	190	0.1
99BST-52	382575.20	6088407.01	2.17	14	1.5	1900	26	25.4	17.0	5	10.0	0.28	0.6	20.7	4	1380	25	220	0.4
99BST-53	381611.17	6087984.39	1.83	10	1.2	770	29	23.0	7.0	6	7.9	0.27	0.5	25.9	1	1160	25	390	0.3
99BST-54	380446.70	6088630.40	2.28	7	1.3	1600	25	26.0	8.0	4	1.4	0.14	0.3	25.3	1	878	65	110	0.2
99BST-55	384763.43	6089168.41	1.80	8	3.6	480	23	23.1	5.0	11	4.0	0.68	0.7	19.8	4	2260	90	130	0.6
99BST-56	384593.57	6087985.36	1.51	8	2.7	470	24	18.3	5.0	8	3.7	0.47	0.3	21.8	1	1630	100	170	0.3
99BST-57	380747.02	6088073.86	2.00	6	1.4	980	14	27.5	7.0	7	7.3	0.16	0.3	19.6	1	752	25	270	0.2
99BST-58	379201.36	6089481.35	2.18	38	1.4	990	63	24.8	10.0	8	3.2	0.31	0.3	25.2	1	1330	61	200	0.3
99BST-59	376870.52	6089445.37	1.87	3	4.5	1200	51	23.2	6.0	11	2.7	0.67	0.9	18.9	1	2740	25	210	0.7
99BST-60	377624.11	6088152.06	1.68	10	3.8	670	46	19.2	4.0	6	13.0	0.50	0.3	23.7	1	1930	90	300	0.7
99BST-61	373483.58	6087490.54	1.72	6	4.5	740	78	21.1	4.0	5	3.3	0.49	0.8	23.2	1	1930	140	240	0.3
99BST-62	374649.11	6089718.54	1.79	11	2.7	410	53	22.6	3.0	7	1.9	0.37	0.3	22.8	1	1440	25	330	0.4
99BST-63	371851.38	6084985.15	2.35	10	1.3	1300	29	27.4	3.0	4	2.8	0.18	0.3	16.4	1	715	25	300	0.3
99BST-64	370818.75	6084894.62	1.86	8	2.6	1000	42	21.7	5.0	7	13.0	0.49	0.3	23.2	1	2650	25	650	0.5
99BST-65 Analytical Duplicate	371421.23	6083690.52	2.43	9	1.0	950	23	21.9	2.0	1	4.4	0.21	0.3	23.7	1	1240	25	380	0.3
99BST-65 Analytical Duplicate	371421.23	6083690.52	2.43	9	1.8	790	23	22.4	3.0	1	3.9	0.21	0.3	25.2	1	1240	25	390	0.3
99BST-66	370239.75	6083375.40	1.66	3	3.0	810	28	23.5	4.0	10	1.7	0.42	0.9	23.8	1	2150	25	180	0.6
99BST-67	369512.90	6082951.85	1.83	12	2.8	1700	30	26.0	4.0	1	1.8	0.38	0.7	21.5	1	2220	25	140	0.3
99BST-68	378482.32	6086547.36	1.75	8	2.7	570	29	28.4	3.0	3	7.5	0.31	0.3	23.0	1	1840	25	350	0.3
99BST-69	378901.57	6085104.21	1.98	19	2.1	1600	39	22.0	6.0	4	1.6	0.18	0.3	29.6	1	896	75	160	0.2
99BST-70-1 Field Duplicate	377176.25	6084802.55	1.55	9	1.3	2200	27	20.3	18.0	5	42.0	0.23	0.3	25.7	1	1910	230	950	0.8
99BST-70-2 Field Duplicate	377176.25	6084802.55	1.52	15	1.6	2200	27	22.3	18.0	6	38.0	0.21	0.3	26.4	1	2930	250	990	0.8
99BST-71	375594.28	6084702.04	1.83	14	1.0	880	39	21.2	5.0	5	2.0	0.18	0.3	32.6	1	6600	72	320	0.1
99BST-72	370123.86	6085972.41	1.92	8	0.8	1400	58	24.5	9.0	7	3.2	0.26	0.3	25.6	1	996	25	370	0.2
99BST-73	370656.16	6087109.32	1.96	9	0.8	780	21	24.0	3.0	6	5.1	0.19	0.5	22.8	1	1020	25	440	0.5
99BST-74	368347.58	6082970.14	1.92	5	1.3	1100	22	24.0	6.0	4	1.2	0.26	0.3	21.1	1	1150	25	92	0.2
99BST-75 Analytical Duplicate	367566.14	6083452.59	2.19	8	0.3	550	91	20.7	3.0	1	15.0	0.18	0.3	28.9	1	682	80	870	0.4
99BST-75 Analytical Duplicate	367566.14	6083452.59	2.19	11	0.3	590	89	21.7	5.0	5	15.0	0.12	0.3	29.0	1	778	25	870	0.3
99BST-76	366875.73	6082011.38	1.84	7	0.3	990	33	24.1	11.0	4	4.7	0.25	0.3	22.8	1	1190	25	350	0.2
99BST-77	366237.10	6081599.59	1.89	7	0.8	480	43	19.1	5.0	7	2.4	0.17	0.3	25.6	1	641	100	300	0.2
99BST-78	368777.48	6081793.37	2.09	6	1.5	710	20	23.2	5.0	5	12.0	0.23	0.3	25.1	4	968	25	580	0.4
99BST-79	369918.79	6081283.90	2.02	3	1.5	720	31	22.5	5.0	7	8.6	0.24	0.3	24.4	1	1010	75	600	0.3
99BST-80	371536.33	6081711.47	1.77	7	1.0	800	42	19.8	11.0	9	1.2	0.19	0.3	26.5	1	875	25	170	0.2
99BST-81	370746.10	6087688.00	1.81	3	0.7	1100	30	22.7	3.0	5	16.0	0.22	0.3	24.4	1	963	25	570	0.4
99BST-82-1 Field Duplicate	372516.50	6088851.06	1.78	26	4.5	1600	51	21.6	5.0	9	2.6	0.56	1.5	20.8	4	3500	72	260	0.5
99BST-82-2 Field Duplicate	372516.50	6088851.06	1.58	7	2.6	320	38	19.8	5.0	15	4.4	0.55	0.3	26.8	1	2210	64	420	0.4
99BST-83	372026.99	6090288.56	1.94	7	1.2	920	23	27.7	3.0	6	6.0	0.33	0.3	22.0	4	1590	25	370	0.3

Sample Site	UTM		Ash	Au	As	Ba	Br	Ca	Co	Cr	Cs	Fe	Hf	K	Mo	Na	Ni	Rb	Sb
	Easting	Northing	%	ppb	ppm	ppm	ppm	%	ppm	ppm	ppm	%	ppm	%	ppm	ppm	ppm	ppm	ppm
99BST-84	370517.90	6089778.24	1.75	6	1.8	860	37	24.4	3.0	7	4.3	0.30	0.3	22.0	1	1350	25	320	0.3
99BST-85	370224.45	6088963.94	1.77	8	1.8	780	34	30.2	4.0	4	2.9	0.44	0.3	17.3	1	1760	25	230	0.3
99BST-86	370086.72	6088310.03	1.75	3	0.8	740	33	25.4	6.0	1	5.5	0.19	0.3	21.7	1	732	25	560	0.2
99BST-87	365628.38	6087349.81	2.11	25	0.3	160	52	19.7	3.0	6	4.7	0.21	0.3	28.6	1	816	25	360	0.3
99BST-88	366652.68	6088345.47	1.88	28	2.1	1800	43	25.3	7.0	6	2.7	0.30	1.0	22.0	1	1110	25	280	0.3
99BST-89	359762.87	6089860.45	1.76	18	1.3	980	18	24.8	8.0	7	2.4	0.31	0.3	21.6	1	1820	25	220	0.2
99BST-90	360419.16	6090713.89	1.76	3	2.0	540	28	25.0	5.0	13	6.9	0.41	0.6	19.7	1	2250	25	460	0.3
99BST-91	367854.62	6089411.77	1.49	32	1.4	670	24	28.6	3.0	9	1.7	0.40	0.8	23.3	1	6350	25	200	0.9
99BST-92	358969.17	6089064.02	1.48	11	2.1	480	17	29.3	8.0	18	8.6	0.65	0.7	11.4	1	4420	180	180	0.5
99BST-93	360817.18	6089935.46	1.91	14	1.6	1200	18	22.6	7.0	9	2.0	0.24	0.6	22.3	1	1040	25	180	0.2
99BST-94	361334.61	6088793.40	2.07	6	1.3	680	31	27.0	3.0	7	3.5	0.25	0.3	20.6	1	1210	25	250	0.2
99BST-95	359548.28	6088342.12	2.10	21	0.3	700	26	23.3	6.0	6	4.0	0.25	0.3	24.0	1	1070	82	490	0.1
99BST-96	360462.48	6087420.55	1.80	8	1.2	1300	15	22.4	8.0	1	1.3	0.19	0.3	24.7	1	803	25	180	0.4
99BST-97	361670.11	6088011.47	2.07	33	1.8	1500	22	22.5	4.0	9	2.3	0.38	0.7	23.5	7	1890	25	240	0.3
99BST-98 Analytical Duplicate	360997.64	6086474.25	2.19	3	1.7	840	64	25.4	5.0	5	1.6	0.21	0.3	23.0	1	1020	25	180	0.1
99BST-98 Analytical Duplicate	360997.64	6086474.25	2.19	9	1.0	810	62	26.6	5.0	5	1.9	0.25	0.3	23.7	1	1100	96	150	0.1
99BST-99	366531.44	6089734.77	1.89	10	2.0	820	38	22.7	3.0	7	1.1	0.27	0.3	22.1	4	1230	25	200	0.3
99BST-100	365660.55	6089907.35	1.88	8	0.3	590	22	22.7	2.0	7	7.2	0.22	0.3	19.0	1	1010	25	420	0.3
99BST-101-1 Field Duplicate	364004.46	6090265.61	2.04	6	1.2	980	23	26.4	4.0	6	3.5	0.26	0.6	18.0	1	1050	25	330	0.2
99BST-101-2 Field Duplicate	364004.46	6090265.61	1.84	12	1.5	810	39	24.1	8.0	6	9.4	0.28	0.3	23.4	1	1290	130	520	0.3
99BST-102	365042.73	6085719.91	2.17	16	0.3	610	30	20.1	6.0	4	8.5	0.13	0.3	29.1	1	540	25	650	0.2
99BST-103	363623.14	6086658.21	2.20	18	1.3	830	36	21.4	9.0	1	1.1	0.23	0.3	23.8	1	897	25	200	0.2
99BST-104	365252.32	6088140.42	2.11	9	0.7	1800	40	21.9	7.0	5	2.1	0.17	0.3	24.5	1	807	25	270	0.1
99BST-105	369243.39	6088065.28	1.66	9	2.5	330	36	22.6	4.0	7	2.3	0.44	0.9	21.6	1	1950	25	160	0.4
99BST-106	369259.00	6087478.80	2.13	8	1.9	780	15	29.3	5.0	6	4.1	0.30	0.3	20.5	1	1450	25	450	0.4
99BST-107	367342.33	6086563.25	2.24	14	1.2	750	23	25.8	8.0	1	1.6	0.22	0.3	23.2	1	832	25	240	0.1
99BST-108	366150.70	6085252.06	1.88	8	0.3	690	37	23.4	5.0	5	3.8	0.18	0.3	23.0	1	761	25	420	0.2
99BST-109 Analytical Duplicate	368585.13	6084340.09	2.18	3	1.5	740	38	23.6	3.0	1	2.9	0.22	0.3	20.1	1	904	25	230	0.2
99BST-109 Analytical Duplicate	368585.13	6084340.09	2.18	3	1.6	820	42	24.1	3.0	4	2.6	0.21	0.3	20.7	1	938	25	230	0.2
99BST-110	365361.78	6084343.39	2.01	3	1.1	790	33	17.6	3.0	3	1.6	0.21	0.3	24.8	1	1080	71	140	0.1
99BST-111	371414.93	6082844.68	1.79	10	2.2	670	25	20.9	4.0	4	11.0	0.20	0.3	26.0	1	1080	25	590	0.3
99BST-113	374372.83	6082434.83	1.88	7	1.0	660	20	23.3	8.0	1	2.6	0.15	0.3	24.6	1	750	77	250	0.2
99BST-114	375612.85	6082701.79	1.91	9	1.2	1200	17	25.5	2.0	4	1.2	0.21	0.3	23.7	1	847	57	300	0.1
99BST-115	376837.58	6083283.99	2.30	5	1.6	500	20	25.2	3.0	4	1.8	0.25	0.5	21.7	1	1180	25	260	0.2
99BST-118	380435.24	6082526.84	1.75	8	1.4	480	32	20.9	3.0	5	3.5	0.22	0.3	26.4	1	704	25	430	0.3
99BST-120	356959.53	6089846.66	2.46	12	2.7	660	20	24.1	4.0	20	2.2	0.67	1.4	18.6	1	3750	25	180	0.4
99BST-121	356420.52	6088346.81	1.91	15	1.5	420	25	23.5	5.0	6	4.6	0.29	0.6	22.9	1	1240	65	430	0.3
99BST-122	355531.65	6086917.04	1.67	8	1.6	570	18	21.6	6.0	9	2.1	0.40	0.6	20.9	1	1780	25	230	0.3
99BST-123	357174.69	6086097.90	2.59	7	0.3	750	42	28.9	8.0	5	4.1	0.21	0.3	19.2	1	984	86	180	0.2
99BST-124-1 Field Duplicate	362147.22	6090729.66	2.03	3	0.9	790	36	21.5	8.0	5	5.3	0.24	0.3	21.9	1	1140	25	340	0.2
99BST-124-2 Field Duplicate	362147.22	6090729.66	2.09	6	1.2	850	58	20.8	5.0	8	11.0	0.22	0.3	25.4	1	1060	25	520	0.3
99BST-125	362574.30	6088793.60	2.15	8	0.3	1100	37	28.6	3.0	4	3.2	0.25	0.3	19.0	1	1040	25	240	0.3
99BST-126	359632.73	6085112.70	2.14	3	1.2	810	28	24.6	4.0	3	5.9	0.17	0.3	22.9	1	612	25	220	0.2
99BST-127	359088.91	6087067.02	2.16	3	2.0	510	43	22.0	6.0	8	5.4	0.25	0.3	23.1	1	1020	25	410	0.2
99BST-129	354975.32	6089429.73	2.64	8	2.4	370	14	26.4	5.0	27	2.2	0.80	1.4	13.7	3	4470	25	100	0.2
99BST-130	358359.43	6088287.11	2.00	13	2.0	950	21	31.0	4.0	9	19.0	0.39	0.3	13.2	1	1710	70	230	0.5
99BST-131	356359.18	6084946.56	1.75	3	1.2	720	24	20.7	3.0	5	0.8	0.21	0.3	30.2	1	904	74	140	0.2
99BST-132	352858.25	6086503.69	2.05	3	2.3	660	37	21.4	4.0	16	2.4	0.55	0.8	20.5	1	2890	25	180	0.3
99BST-133	350961.55	6085671.72	2.15	6	1.5	430	30	20.4	3.0	5	4.6	0.22	0.3	26.2	1	880	25	340	0.2

Sample Site	UTM		Ash	Au	As	Ba	Br	Ca	Co	Cr	Cs	Fe	Hf	K	Mo	Na	Ni	Rb	Sb
	Easting	Northing	%	ppb	ppm	ppm	ppm	%	ppm	ppm	ppm	%	ppm	%	ppm	ppm	ppm	ppm	ppm
99BST-134 Analytical Duplicate	353845.36	6085793.03	2.35	7	1.3	1100	14	30.5	8.0	6	4.0	0.29	0.3	17.9	1	1130	25	250	0.2
99BST-134 Analytical Duplicate	353845.36	6085793.03	2.35	6	1.2	1100	14	29.5	7.0	6	4.3	0.27	0.6	18.2	1	1150	25	260	0.2
99BST-135	354883.31	6084079.64	2.03	3	1.4	1400	15	26.8	6.0	4	1.5	0.21	0.3	23.6	3	843	25	210	0.2
99BST-137	351850.75	6084320.15	2.52	6	1.8	830	39	26.3	3.0	9	1.5	0.40	0.3	22.4	1	1450	25	140	0.3
99BST-138	352071.35	6085574.59	2.05	6	2.6	750	58	22.7	4.0	7	2.8	0.38	0.6	24.5	4	1700	62	250	0.1
99BST-139	357564.78	6084160.24	1.99	8	0.9	1600	42	27.4	6.0	4	11.0	0.19	0.3	25.0	1	618	25	610	0.2
99BST-140	363864.01	6082169.82	1.93	6	2.3	710	29	29.9	3.0	6	1.8	0.31	0.3	19.0	1	1180	25	88	0.3
99BST-141-1 Field Duplicate	362142.99	6084076.48	2.04	14	1.8	1600	31	24.2	7.0	3	2.2	0.18	0.3	26.0	1	689	25	230	0.2
99BST-141-2 Field Duplicate	362142.99	6084076.48	2.29	3	1.5	1400	51	26.5	12.0	1	1.4	0.19	0.5	23.2	1	867	25	160	0.2
99BST-142	361255.11	6081288.51	1.65	3	2.0	1400	40	25.4	8.0	5	4.4	0.32	0.6	22.3	1	1380	69	320	0.3
99BST-143	362408.96	6082666.92	2.02	3	1.2	710	24	26.7	3.0	4	2.6	0.17	0.3	24.0	1	732	25	230	0.2
99BST-144	365789.89	6083994.83	2.26	7	2.1	970	41	21.4	5.0	7	2.0	0.20	0.3	27.1	1	859	25	230	0.2
99BST-145	365012.13	6082425.90	1.81	25	0.9	800	24	29.2	2.0	5	3.9	0.30	0.6	21.2	1	1200	25	200	0.3
99BST-146	388300.25	6089844.48	1.72	3	1.8	370	76	21.7	3.0	7	1.7	0.39	0.5	25.7	1	1880	25	320	0.3
99BST-147	382347.59	6086399.71	2.21	3	0.3	840	63	29.7	3.0	5	5.5	0.26	0.3	20.4	5	1060	25	270	0.5
99BST-148	373091.61	6084449.15	1.94	3	1.1	540	40	23.0	8.0	4	3.6	0.16	0.3	19.6	1	746	25	310	0.2
99BST-149	370525.75	6084197.53	1.98	9	1.3	510	28	26.6	4.0	5	1.2	0.24	0.3	15.6	1	1220	25	120	0.2
99BST-150	378340.48	6088920.71	1.66	3	1.8	240	64	16.7	6.0	6	4.7	0.35	0.3	20.9	1	1520	78	430	0.3
99BST-151 Analytical Duplicate	379171.14	6087918.37	2.00	3	1.3	730	35	21.4	4.0	5	2.3	0.27	0.3	21.1	1	1060	25	260	0.2
99BST-151 Analytical Duplicate	379171.14	6087918.37	2.00	3	1.2	680	36	20.6	5.0	5	1.8	0.27	0.3	20.7	1	1050	25	250	0.2
99BST-152	375414.93	6088856.96	1.73	3	2.3	300	36	20.9	5.0	7	4.9	0.41	0.3	20.8	1	1570	98	320	0.3
99BST-153	375984.68	6087777.88	1.64	3	2.9	590	30	22.6	4.0	10	6.6	0.37	0.6	17.2	1	2030	60	210	0.4
99BST-154	376668.36	6087121.26	2.09	6	2.0	940	43	22.7	5.0	7	3.2	0.28	0.3	20.6	1	1360	25	230	0.2
99BST-155	375877.60	6086516.58	1.94	23	1.6	920	34	22.6	4.0	4	5.3	0.21	0.3	17.6	1	999	25	380	0.2
99BST-156	373995.52	6086125.05	2.27	3	0.6	840	36	23.1	6.0	4	10.0	0.17	0.3	17.6	1	714	25	440	0.3
99BST-157	372027.71	6087027.04	1.75	3	2.1	640	24	23.5	6.0	7	7.7	0.25	0.3	19.8	1	1080	25	530	0.4
99BST-201	371334.99	6079065.23	1.88	9	0.9	1200	28	25.2	7.0	4	6.5	0.19	0.3	16.8	1	1400	25	320	0.6
99BST-202	370612.18	6078749.88	2.23	3	1.2	920	36	26.6	8.0	2	5.4	0.13	0.3	17.4	1	682	25	300	0.3
99BST-203	369733.49	6079116.31	1.74	11	2.3	1300	30	24.3	7.0	5	8.1	0.28	0.3	15.8	1	1790	25	310	0.5
99BST-204	368745.75	6078704.52	1.96	3	1.1	700	35	27.8	5.0	5	3.0	0.18	0.3	15.7	1	1060	25	260	0.3
99BST-205	367736.72	6078107.25	1.86	3	1.9	1700	25	29.8	4.0	7	2.7	0.28	0.6	14.7	1	1760	25	150	0.3
99BST-206	366185.42	6077629.58	1.79	5	2.3	1200	17	23.7	5.0	5	1.1	0.23	0.3	16.8	1	1050	25	94	0.2
99BST-207	370205.14	6080422.95	2.05	3	1.6	1900	22	25.0	17.0	4	1.1	0.25	0.3	18.0	1	1190	25	230	0.5
99BST-208	365599.84	6076900.47	1.82	21	1.0	750	27	24.0	6.0	6	2.2	0.24	0.3	19.8	1	1440	25	170	0.3
99BST-209	367275.47	6079004.52	1.91	8	1.3	1100	24	21.6	37.0	3	1.9	0.25	0.3	20.7	1	1150	25	300	0.3
99BST-210	367991.68	6079460.20	2.06	11	1.2	1300	21	24.6	12.0	1	1.3	0.16	0.3	20.3	1	784	25	89	0.2
99BST-211	368856.57	6080449.74	1.83	3	1.8	380	25	25.7	7.0	4	1.7	0.28	0.3	19.1	1	1380	25	160	0.2
99BST-212 Analytical Duplicate	367569.80	6080402.33	1.97	10	1.6	1100	38	22.7	14.0	1	2.2	0.22	0.3	21.8	1	1850	120	260	0.2
99BST-212 Analytical Duplicate	367569.80	6080402.33	1.97	7	1.5	1100	36	23.5	14.0	5	1.5	0.20	0.3	20.3	1	1780	25	280	0.2
99BST-213	365183.13	6079542.10	2.00	18	1.1	1300	30	26.3	6.0	1	0.5	0.21	0.3	20.5	1	2950	25	110	0.3
99BST-214	360603.87	6076390.98	2.00	17	1.2	310	13	27.9	3.0	7	0.8	0.29	0.7	14.8	3	1420	25	48	0.3
99BST-215	360976.40	6074963.41	1.93	9	2.2	530	24	26.7	7.0	11	3.5	0.40	0.3	15.9	1	1920	25	210	0.4
99BST-216	360316.32	6077803.64	1.95	7	2.2	1400	30	24.9	4.0	5	1.8	0.24	0.6	19.9	1	1590	25	140	0.3
99BST-217	359631.41	6079022.59	2.00	6	1.5	1400	15	24.7	6.0	3	0.9	0.23	0.3	16.2	1	1160	86	73	0.2
99BST-218	363444.79	6074383.10	2.05	19	1.7	710	22	26.2	9.0	4	42.0	0.16	0.3	18.8	1	1130	25	330	0.9
99BST-219-1 Field Duplicate	367825.77	6068425.98	2.04	13	2.1	970	56	25.2	7.0	7	2.5	0.27	0.3	18.0	1	1180	25	280	0.4
99BST-219-2 Field Duplicate	367825.77	6068425.98	1.89	40	1.7	910	22	22.1	6.0	7	0.8	0.24	0.3	19.1	1	1820	100	160	0.3
99BST-220	368431.98	6067452.60	1.70	6	2.5	850	23	26.1	5.0	7	2.8	0.34	0.5	16.2	4	1690	90	120	0.3
99BST-221	360246.41	6081552.52	1.97	9	1.1	690	21	25.1	5.0	7	4.5	0.22	0.3	18.7	1	1340	70	380	0.4

Sample Site	UTM		Ash	Au	As	Ba	Br	Ca	Co	Cr	Cs	Fe	Hf	K	Mo	Na	Ni	Rb	Sb
	Easting	Northing	%	ppb	ppm	ppm	ppm	%	ppm	ppm	ppm	%	ppm	%	ppm	ppm	ppm	ppm	ppm
99BST-222	356447.39	6083211.54	2.06	9	2.6	1000	13	29.1	3.0	10	0.8	0.38	0.6	12.0	1	2670	25	90	0.3
99BST-223	355505.67	6083205.01	2.45	3	1.1	610	12	24.2	4.0	6	2.7	0.22	0.3	17.7	1	958	25	190	0.2
99BST-224	350117.78	6081716.84	2.05	3	2.2	820	32	25.2	16.0	8	3.7	0.34	0.7	19.1	1	1970	82	340	0.3
99BST-226	354277.47	6083205.79	1.74	14	2.3	410	40	21.8	8.0	8	5.5	0.33	0.3	20.9	1	1710	25	310	0.4
99BST-227	355381.59	6075600.60	1.98	5	1.9	840	32	21.3	6.0	6	2.2	0.23	0.3	18.9	4	1240	25	300	0.2
99BST-228	353986.25	6074843.74	1.87	3	1.2	690	20	21.7	12.0	6	1.3	0.26	0.5	21.3	1	1390	25	160	0.3
99BST-229	353511.14	6076295.59	2.04	5	1.7	1000	15	26.3	4.0	6	0.9	0.22	0.3	16.9	1	1580	25	110	0.3
99BST-230 Analytical Duplicate	355405.44	6076684.24	2.49	12	2.1	640	34	25.7	7.0	8	1.9	0.35	0.3	16.9	1	2770	25	120	0.5
99BST-230 Analytical Duplicate	355405.44	6076684.24	1.73	19	2.8	710	36	26.4	7.0	6	1.8	0.37	0.3	18.2	1	3110	25	120	0.6
99BST-230 Analytical Duplicate	355405.44	6076684.24	1.73	38	1.5	560	48	18.1	7.0	6	1.3	0.35	0.8	20.2	1	3960	25	210	0.5
99BST-231	352016.78	6076101.86	1.96	14	1.1	600	17	24.8	10.0	4	1.6	0.24	0.3	15.6	1	1060	130	220	0.3
99BST-232	353290.64	6078687.59	1.83	33	1.5	530	22	23.4	5.0	7	1.7	0.26	0.3	18.9	1	1240	25	170	0.3
99BST-233	353080.39	6072997.78	2.17	3	0.3	660	21	26.0	4.0	10	1.8	0.35	0.5	17.1	1	1520	25	160	0.3
99BST-234	352085.67	6071913.45	1.88	26	2.2	1100	18	21.5	12.0	9	1.5	0.40	0.8	17.7	1	4010	25	190	0.3
99BST-235	352971.33	6071021.91	2.18	5	1.0	790	25	25.8	4.0	7	1.6	0.31	0.3	18.1	1	1130	110	110	0.3
99BST-236	375222.72	6068829.48	2.03	6	0.3	3000	31	20.3	13.0	7	3.7	0.35	0.7	20.2	1	1850	75	240	0.4
99BST-237	373322.15	6067669.32	1.71	3	2.8	1500	43	20.1	23.0	14	1.1	0.34	0.3	19.9	1	1460	110	120	0.4
99BST-238	372452.18	6069244.38	1.96	5	2.1	1300	17	23.8	11.0	7	5.3	0.23	0.6	18.0	1	1200	60	360	0.3
99BST-239	368922.50	6069508.74	2.43	3	2.1	1200	35	19.5	13.0	6	2.1	0.34	0.3	16.7	1	1800	65	190	0.3
99BST-240	370909.02	6070515.51	1.94	11	0.8	870	19	22.8	5.0	1	5.0	0.22	0.3	18.2	1	1390	91	310	0.2
99BST-241	372758.61	6071129.61	1.92	5	2.5	1500	34	16.7	12.0	6	4.2	0.18	0.6	21.3	1	783	120	310	0.3
99BST-242	370633.94	6066046.81	1.68	3	1.8	740	45	15.1	9.0	3	4.2	0.25	0.3	24.9	1	817	77	370	0.3
99BST-243	373883.08	6066058.33	2.13	3	1.5	700	16	17.4	8.0	3	4.5	0.14	0.3	24.2	1	587	25	390	0.2
99BST-244	374717.33	6075559.23	2.23	40	0.3	990	31	20.2	6.0	8	2.3	0.17	0.3	21.8	1	840	71	150	0.2
99BST-245	373013.86	6074903.92	1.85	3	2.5	590	62	16.2	10.0	4	2.7	0.21	0.3	22.2	1	1010	82	220	0.1
99BST-246	375209.93	6072610.07	2.01	5	5.1	510	16	19.6	3.0	8	2.2	0.25	0.3	18.7	1	1040	25	250	0.3
99BST-247 Analytical Duplicate	367223.27	6077159.70	2.47	3	0.3	890	20	21.9	14.0	7	0.8	0.19	0.3	16.3	1	652	25	170	0.1
99BST-247 Analytical Duplicate	367223.27	6077159.70	2.47	5	1.1	900	23	22.3	13.0	1	1.0	0.16	0.3	16.8	1	666	99	160	0.2
99BST-248-1 Field Duplicate	363998.87	6080166.06	1.84	15	1.4	750	16	20.8	6.0	5	0.6	0.25	0.3	23.2	1	1400	25	180	0.2
99BST-248-2 Field Duplicate	366434.90	6080165.02	1.73	6	1.4	730	16	22.4	5.0	5	0.6	0.20	0.3	20.8	1	1070	25	170	0.3
99BST-249	365625.09	6080983.27	2.05	3	1.6	770	21	25.8	12.0	6	1.0	0.22	0.3	15.7	1	1240	25	95	0.2
99BST-251	369454.61	6077674.80	1.65	30	1.1	1100	33	20.7	6.0	5	1.6	0.25	0.6	21.1	1	4950	25	190	0.5
99BST-252	370212.70	6077226.07	2.16	3	1.8	1100	18	21.7	7.0	7	1.2	0.26	0.3	22.5	1	1460	25	200	0.3
99BST-253	369727.62	6076391.19	1.91	14	2.5	470	23	19.8	4.0	7	2.1	0.30	0.3	23.0	1	1760	25	260	0.2
99BST-254	369294.01	6075027.52	2.03	3	2.3	850	35	20.7	7.0	6	1.2	0.33	0.3	21.8	5	1650	25	210	0.3
99BST-255	369082.74	6074188.19	1.86	15	2.4	610	49	25.5	14.0	7	1.7	0.29	0.3	28.9	1	2260	180	240	0.2
99BST-256	372073.59	6075860.94	2.02	21	1.9	1000	56	23.1	7.0	5	2.7	0.16	0.3	25.3	1	788	25	170	0.4
99BST-257	370578.92	6075052.05	2.06	3	1.7	600	22	31.2	7.0	5	3.3	0.24	0.3	13.8	1	1050	25	200	0.3
99BST-258	368572.08	6072950.08	1.97	3	0.9	960	26	25.3	10.0	5	3.2	0.22	0.3	21.1	1	878	25	280	0.3
99BST-259	367901.42	6074827.37	1.86	8	0.3	2500	31	26.9	8.0	5	2.0	0.22	0.6	20.3	1	1700	25	230	0.4
99BST-260	359223.52	6069883.78	1.79	3	1.3	860	38	21.6	8.0	6	3.1	0.30	0.3	19.9	1	1200	80	250	0.5
99BST-261	360063.93	6069315.74	1.96	3	2.0	610	36	20.1	12.0	11	4.6	0.31	0.3	25.0	1	1130	25	710	0.4
99BST-262	355969.59	6070935.17	1.97	3	1.6	610	32	26.9	4.0	9	2.4	0.39	0.5	16.5	6	1530	25	170	0.3
99BST-263 Analytical Duplicate	357994.39	6070646.49	2.20	3	0.9	650	26	26.4	5.0	4	1.2	0.17	0.3	20.9	1	720	25	200	0.2
99BST-263 Analytical Duplicate	357994.39	6070646.49	2.20	3	0.8	720	28	26.5	3.0	3	1.1	0.17	0.3	21.0	1	657	25	210	0.3
99BST-264	360989.77	6069149.40	1.87	3	2.2	780	30	21.0	5.0	7	9.6	0.47	0.3	20.9	1	1880	25	370	0.4
99BST-265	361329.67	6072980.83	1.74	3	1.1	470	27	21.4	5.0	6	4.1	0.24	0.3	20.6	1	1520	25	210	0.5
99BST-266	363559.03	6071022.97	1.81	3	1.9	340	16	24.1	3.0	8	2.1	0.31	0.6	19.9	1	1280	25	220	0.3
99BST-267	377020.28	6069882.33	2.08	3	1.4	880	47	21.5	7.0	5	2.0	0.21	0.3	24.1	1	869	25	270	0.3

Sample Site	UTM		Ash	Au	As	Ba	Br	Ca	Co	Cr	Cs	Fe	Hf	K	Mo	Na	Ni	Rb	Sb
	Easting	Northing	%	ppb	ppm	ppm	ppm	%	ppm	ppm	ppm	%	ppm	%	ppm	ppm	ppm	ppm	ppm
99BST-268	379044.14	6070599.95	1.78	12	2.3	1500	37	22.4	5.0	7	18.0	0.28	0.7	20.6	1	1390	78	550	0.6
99BST-269	376364.81	6071760.41	2.02	10	2.2	540	33	25.3	3.0	7	4.7	0.22	0.6	18.6	1	1840	70	310	0.3
99BST-270	377781.24	6066042.44	2.36	3	1.3	900	25	26.2	11.0	6	3.3	0.14	0.3	18.4	1	562	25	330	0.2
99BST-271	383858.83	6067703.50	1.94	3	2.8	790	31	22.6	3.0	7	2.8	0.32	0.6	20.6	1	1480	25	300	0.5
99BST-272	384102.61	6068885.27	1.92	3	4.1	490	35	17.0	3.0	5	4.6	0.17	0.3	25.9	1	1170	25	490	0.3
99BST-273	380547.15	6070612.20	1.73	12	4.1	660	26	20.0	3.0	6	6.4	0.20	0.3	27.7	1	1520	25	570	0.4
99BST-274	382955.22	6071800.72	1.92	6	3.1	1000	52	21.2	4.0	7	18.0	0.37	0.8	21.1	1	1950	25	420	0.7
99BST-275	381967.41	6070087.68	1.82	3	1.9	460	32	17.9	3.0	9	1.3	0.22	0.8	21.7	1	1570	25	230	0.2
99BST-276-1 Field Duplicate	385148.66	6077248.38	1.87	3	2.9	840	19	25.4	3.0	5	4.6	0.26	0.7	17.2	1	1190	25	330	0.3
99BST-276-2 Field Duplicate	385148.66	6077248.38	1.97	3	3.9	760	19	30.0	3.0	8	1.4	0.33	0.8	15.7	1	1300	25	190	0.7
99BST-277	386690.16	6081682.14	1.95	3	2.9	780	17	24.9	3.0	5	2.0	0.38	1.2	15.8	4	1580	25	210	0.4
99BST-278	388023.91	6080577.61	2.02	3	1.9	680	21	23.9	2.0	5	1.5	0.29	0.7	17.9	1	1280	25	160	0.2
99BST-279 Analytical Duplicate	376310.70	6077007.87	2.17	7	2.0	910	34	25.1	3.0	9	1.1	0.31	0.8	19.2	1	1490	25	110	0.3
99BST-279 Analytical Duplicate	376310.70	6077007.87	2.17	6	2.0	970	33	23.5	3.0	4	1.0	0.31	1.1	18.0	1	1360	73	110	0.3
99BST-280	384159.38	6073682.24	1.68	8	2.2	640	42	21.3	2.0	5	1.9	0.23	0.3	33.4	1	1210	25	340	0.3
99BST-281	379124.40	6067728.11	1.87	9	1.4	1000	18	27.8	3.0	6	28.0	0.20	0.6	17.8	1	1210	25	750	0.6
99BST-282-1 Field Duplicate	382727.20	6079909.30	1.81	9	2.1	980	27	25.2	4.0	10	2.4	0.39	0.6	21.6	1	1600	25	230	0.5
99BST-282-2 Field Duplicate	382727.20	6079909.30	1.62	5	1.6	1100	21	18.8	7.0	6	7.9	0.22	0.7	23.1	1	1290	100	440	0.4
99BST-283	382282.71	6077714.41	1.97	6	2.5	930	31	25.9	3.0	6	2.3	0.35	0.7	17.5	1	1870	25	250	0.4
99BST-284	383840.14	6075866.88	1.72	56	3.0	330	45	19.4	3.0	5	5.5	0.35	0.3	23.6	1	1800	25	310	0.5
99BST-285	382958.94	6074543.38	1.57	3	1.9	880	35	20.8	5.0	9	2.8	0.35	0.3	23.4	4	1530	25	140	0.4
99BST-287	385938.09	6072538.35	2.12	45	1.5	490	19	25.7	3.0	8	12.0	0.27	0.6	18.9	1	1900	25	490	0.6
99BST-288	384706.93	6071638.97	1.93	6	1.4	660	19	23.6	3.0	4	5.1	0.20	0.3	24.0	1	1040	25	490	0.4
99BST-289	384447.42	6070035.32	1.79	6	1.8	630	25	21.6	3.0	5	7.2	0.23	0.7	24.2	1	1290	85	400	0.4
99BST-290	385875.21	6070091.77	2.00	7	1.4	700	26	23.6	4.0	6	2.2	0.27	0.3	22.1	1	1670	25	300	0.3
99BST-291	386749.94	6071142.51	1.81	5	2.1	720	24	22.4	3.0	7	5.4	0.35	0.3	23.6	1	1640	25	400	0.4
99BST-292-1 Field Duplicate	372658.22	6079359.51	1.80	5	2.0	960	36	22.0	4.0	7	4.0	0.26	0.6	27.3	1	1160	25	340	0.4
99BST-292-2 Field Duplicate	372658.22	6079359.51	2.14	3	1.5	1200	45	21.9	9.0	4	5.3	0.19	0.3	23.7	1	769	99	460	0.3
99BST-293	373332.21	6078856.12	1.86	24	1.5	570	34	21.2	6.0	4	5.8	0.26	0.3	24.6	1	1500	25	390	0.3
99BST-294	374312.89	6078921.40	2.29	7	2.7	2200	45	19.7	8.0	5	8.9	0.24	0.9	31.8	1	1180	89	620	0.6
99BST-295	375182.62	6078624.03	2.05	6	1.1	1700	38	19.2	6.0	4	7.7	0.17	0.6	29.1	4	713	25	490	0.3
99BST-296	376386.81	6078570.83	1.89	3	2.6	1000	18	23.5	4.0	8	1.7	0.38	0.5	21.3	1	2070	25	250	0.4
99BST-297	377606.00	6078057.09	2.10	3	1.5	730	26	23.1	3.0	6	1.6	0.31	0.3	23.9	1	1470	25	290	0.2
99BST-298	377794.68	6079094.31	2.16	3	1.8	1200	25	20.3	5.0	9	2.1	0.44	1.2	25.7	1	2880	25	310	0.2
99BST-300	383601.49	6081754.27	2.21	3	1.5	1800	28	23.2	2.0	3	2.4	0.16	0.3	24.5	1	803	25	370	0.3
99BST-301	382264.75	6081807.41	2.28	3	1.2	820	24	22.8	6.0	5	3.1	0.13	0.3	23.9	1	536	25	370	0.1
99BST-302-1 Field Duplicate	381825.16	6080640.92	2.27	3	2.1	830	23	28.3	4.0	9	4.1	0.28	0.5	18.6	1	1290	25	250	0.4
99BST-302-2 Field Duplicate	381825.16	6080640.92	2.27	6	1.8	840	24	27.9	4.0	7	3.5	0.27	0.5	18.2	1	1250	25	250	0.4
99BST-303	381419.93	6079292.48	1.67	6	2.7	750	39	23.1	13.0	9	3.3	0.31	0.3	25.8	1	1110	160	400	0.4
99BST-304	379828.87	6079816.74	2.18	20	3.0	1800	26	24.3	8.0	7	14.0	0.26	0.3	17.2	1	1280	86	620	0.5
99BST-305	373257.01	6080611.99	2.28	11	2.4	2800	15	26.7	12.0	4	11.0	0.22	0.3	22.1	1	1220	25	550	0.4
99BST-307	376118.15	6080021.19	1.65	16	3.2	670	16	20.5	3.0	5	2.0	0.21	0.3	25.5	1	2210	25	240	0.2
99BST-308	378593.33	6079122.68	2.06	7	2.6	1700	35	22.3	15.0	6	4.7	0.34	0.3	27.3	1	1460	25	420	0.5
99BST-309	379412.18	6081620.51	1.85	3	0.9	650	25	18.9	3.0	3	6.9	0.14	0.3	29.0	1	634	25	680	0.3
99BST-314-1 Field Duplicate	380441.27	6077362.52	1.85	6	1.2	1600	49	21.5	10.0	8	25.0	0.21	0.3	23.5	1	769	120	790	0.6
99BST-314-2 Field Duplicate	380441.27	6077362.52	2.15	3	1.2	770	40	22.2	8.0	4	13.0	0.18	0.3	21.6	1	893	25	680	0.6
99BST-315	379424.91	6076667.36	1.90	7	3.0	1500	46	23.8	9.0	9	1.8	0.23	1.0	21.4	1	1210	56	140	0.3
99BST-316 Analytical Duplicate	378083.67	6075976.30	2.31	6	3.5	780	46	25.1	4.0	7	3.2	0.32	0.6	25.7	1	1520	25	280	0.4
99BST-316 Analytical Duplicate	378083.67	6075976.30	2.31	3	3.1	790	43	22.5	3.0	6	2.8	0.29	0.7	22.3	1	1500	25	260	0.3

Sample Site	UTM		Ash	Au	As	Ba	Br	Ca	Co	Cr	Cs	Fe	Hf	K	Mo	Na	Ni	Rb	Sb
	Easting	Northing	%	ppb	ppm	ppm	ppm	%	ppm	ppm	ppm	%	ppm	%	ppm	ppm	ppm	ppm	ppm
99BST-317	378975.05	6075002.82	1.93	3	2.2	280	29	24.4	3.0	4	3.7	0.28	0.6	18.0	1	1070	25	280	0.3
99BST-318	374081.75	6076384.00	2.00	3	2.5	1400	15	24.0	4.0	6	1.3	0.24	0.3	23.6	1	1040	74	96	0.2
99BST-319	377992.28	6071532.08	1.84	8	2.2	730	27	22.6	4.0	4	16.0	0.23	0.3	22.4	1	842	25	830	0.5
99BST-320	378032.77	6073502.62	1.90	15	2.3	620	26	20.7	3.0	4	3.6	0.19	0.3	25.1	1	762	25	440	0.3
99BST-321	376343.39	6073660.05	1.92	8	2.7	1200	31	23.5	3.0	4	2.7	0.26	0.6	23.8	1	954	25	370	0.2
99BST-322	376788.52	6076148.06	1.89	3	2.1	1700	42	22.5	6.0	13	2.2	0.38	1.2	22.5	1	1540	94	250	0.3
99BST-323	374135.50	6077562.68	1.74	13	2.0	740	44	17.6	9.0	8	1.5	0.32	0.3	32.0	1	1260	25	260	0.4
99BST-324	371909.21	6077077.66	1.97	5	1.9	620	26	23.0	3.0	4	14.0	0.19	0.3	19.7	1	1020	25	320	0.4
99BST-325	371394.88	6077468.54	1.91	3	2.2	1100	18	24.2	3.0	7	0.6	0.32	0.3	15.2	1	1400	25	56	0.2
99BST-326	367010.80	6076322.95	1.93	8	1.6	1300	35	24.9	5.0	6	6.1	0.27	0.3	18.2	1	1500	25	220	1.1
99BST-327	365544.89	6075097.76	1.82	3	1.9	1400	28	20.9	7.0	6	0.8	0.29	0.3	24.2	1	1150	80	140	0.4
99BST-328	366630.37	6073449.41	2.15	5	1.6	600	20	21.9	3.0	8	1.5	0.13	0.3	23.9	1	1150	56	180	0.3
99BST-329-1 Field Duplicate	373524.62	6072776.30	1.83	3	2.1	600	42	19.6	9.0	9	3.0	0.30	0.3	23.6	1	1290	85	380	0.3
99BST-329-2 Field Duplicate	373524.62	6072776.30	2.03	7	2.1	580	47	20.3	8.0	8	2.6	0.37	0.6	24.8	3	1400	25	300	0.3
99BST-330	373090.65	6073609.38	1.97	11	1.8	440	24	21.8	3.0	8	1.2	0.37	0.8	18.9	1	1370	25	170	0.3
99BST-331	372325.83	6073335.34	2.18	8	1.4	1300	34	25.3	7.0	6	1.2	0.23	0.5	22.1	1	880	25	130	0.2
99BST-332	371343.79	6071847.26	1.92	3	1.2	1100	22	22.9	3.0	3	1.6	0.19	0.3	22.4	1	810	25	280	0.2
99BST-333	356400.44	6074585.89	2.07	3	1.9	520	43	21.9	3.0	5	1.5	0.19	0.3	22.8	1	826	25	110	0.2
99BST-334 Analytical Duplicate	353630.41	6074080.73	2.07	6	1.7	1000	40	20.6	5.0	7	5.7	0.26	0.8	23.5	1	979	25	480	0.3
99BST-334 Analytical Duplicate	353630.41	6074080.73	2.07	7	1.5	1100	39	23.1	5.0	6	5.8	0.25	0.7	23.7	1	926	25	490	0.2
99BST-335	354026.13	6072263.97	1.98	5	1.8	560	24	23.0	3.0	5	3.7	0.20	0.6	18.4	1	1130	25	300	0.3
99BST-336	356175.52	6073162.11	1.70	6	1.4	690	23	19.9	3.0	7	1.3	0.37	0.7	18.9	1	1140	25	120	0.4
99BST-337	358516.43	6071531.39	1.86	3	3.5	870	85	24.3	8.0	6	2.3	0.24	0.6	24.3	1	1140	25	510	0.2
99BST-338	358097.38	6073183.12	2.06	3	1.9	750	29	18.9	8.0	4	1.3	0.15	0.3	25.6	1	655	98	180	0.2
99BST-339	358101.16	6077722.60	1.94	3	1.8	680	31	17.5	10.0	5	5.0	0.22	0.3	28.6	1	662	25	480	0.1
99BST-340	360792.23	6079576.49	1.95	3	1.9	880	26	21.0	5.0	1	1.2	0.16	0.3	25.3	1	705	25	150	0.3
99BST-341	363366.15	6079087.77	2.21	12	1.7	530	28	27.9	3.0	5	1.8	0.27	0.3	23.7	5	1070	25	190	0.3
99BST-342	361709.41	6079470.25	1.81	5	0.9	250	40	22.4	4.0	4	2.2	0.25	0.3	23.5	1	1190	25	260	0.2
99BST-343	365228.31	6078367.51	2.02	21	1.2	1700	21	24.8	4.0	9	0.7	0.31	0.3	24.6	1	1180	25	140	0.2
99BST-344	364266.45	6076224.84	1.92	3	2.3	550	66	15.0	15.0	5	2.8	0.21	0.3	35.1	1	755	25	500	0.2
99BST-345	362453.17	6075416.23	1.93	7	1.1	1300	21	30.5	3.0	6	1.2	0.28	0.3	16.8	1	1120	25	76	0.2
99BST-346	363508.62	6077282.57	1.62	8	1.7	430	27	20.2	4.0	4	2.0	0.26	0.3	16.9	1	1040	25	140	0.2
99BST-347	390123.06	6073013.81	1.79	3	1.2	710	60	20.5	4.0	6	2.4	0.20	0.6	27.4	1	888	25	270	0.3
99BST-348	386609.32	6076034.47	1.01	12	1.9	680	18	21.7	5.0	8	22.0	0.24	0.3	26.8	1	863	25	940	0.5
99BST-349	394290.85	6073197.89	1.99	11	0.3	1300	100	24.1	7.0	7	2.7	0.24	0.3	27.4	1	1150	25	260	0.4
99BST-350	381237.22	6069551.39	1.89	8	2.2	1000	28	26.6	4.0	6	3.5	0.22	0.3	21.9	1	947	25	440	0.3
99BST-351	377332.39	6064774.37	2.02	3	1.9	1300	13	21.3	5.0	4	3.0	0.18	0.3	21.4	1	504	25	310	0.2

Sample Site	Sc	Sr	Th	U	Zn	La	Ce	Nd	Sm	Eu	Tb	Lu	TREE
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
99BST-1	0.4	740	0.4	0.05	1700	1.6	2	2.5	0.3	0.02	0.13	0.03	6
99BST-2	0.6	150	0.2	0.05	1700	2.4	5	2.5	0.4	0.02	0.27	0.03	11
99BST-3	0.8	150	0.7	0.05	1900	2.9	4	2.5	0.5	0.02	0.26	0.03	10
99BST-4	1.0	150	0.9	0.05	3100	3.8	9	2.5	0.6	0.09	0.27	0.03	16
99BST-5	1.2	800	0.8	0.05	1800	4.5	9	2.5	0.7	0.02	0.41	0.06	17
99BST-6	1.5	490	1.2	0.60	3000	5.5	12	2.5	0.9	0.26	0.20	0.03	21
99BST-7 Analytical Duplicate	0.4	930	0.1	0.05	1700	1.7	2	2.5	0.3	0.02	0.03	0.03	6
99BST-7 Analytical Duplicate	0.4	640	0.3	0.05	1800	1.8	2	2.5	0.3	0.02	0.03	0.03	6
99BST-8	0.6	600	0.6	0.05	2100	2.2	8	2.5	0.3	0.02	0.23	0.03	13
99BST-9	1.0	150	0.8	0.05	2800	3.8	7	2.5	0.7	0.02	0.26	0.03	14
99BST-10	0.6	530	0.4	0.05	2000	1.6	2	2.5	0.3	0.02	0.18	0.03	6
99BST-11	0.7	150	0.7	0.05	1600	2.6	5	2.5	0.4	0.02	0.03	0.03	11
99BST-12	0.8	450	0.4	0.05	1900	2.3	4	2.5	0.4	0.02	0.03	0.03	9
99BST-13	0.6	1500	0.4	0.05	2200	1.8	4	2.5	0.3	0.02	0.03	0.03	9
99BST-14	0.6	650	0.5	0.05	2700	1.5	2	2.5	0.2	0.02	0.03	0.03	6
99BST-15	0.5	150	0.1	0.05	2400	1.3	2	2.5	0.2	0.15	0.03	0.03	6
99BST-16	0.5	150	0.1	0.05	1900	1.4	6	2.5	0.2	0.02	0.03	0.03	10
99BST-17	0.3	410	0.1	0.05	1900	1.0	2	2.5	0.2	0.02	0.17	0.03	5
99BST-18	0.8	150	0.4	0.05	2400	2.4	5	2.5	0.4	0.23	0.25	0.03	11
99BST-19	0.7	150	0.1	0.05	2400	1.9	3	2.5	0.3	0.18	0.22	0.03	8
99BST-20	1.0	790	0.5	0.05	3500	3.1	6	2.5	0.5	0.02	0.30	0.03	12
99BST-21-1 Field Duplicate	0.6	320	0.1	0.05	2400	1.7	3	2.5	0.3	0.02	0.03	0.03	8
99BST-21-2 Field Duplicate	0.9	150	0.7	0.05	2900	2.6	7	2.5	0.5	0.02	0.03	0.03	13
99BST-22	0.6	150	0.2	0.40	1600	1.4	2	2.5	0.2	0.02	0.03	0.03	6
99BST-23	0.7	710	0.4	0.05	1500	2.2	4	8.0	0.3	0.02	0.03	0.03	15
99BST-24 Analytical Duplicate	0.7	150	0.4	0.50	1400	1.9	6	2.5	0.3	0.02	0.19	0.03	11
99BST-24 Analytical Duplicate	0.6	730	0.1	0.05	1300	1.6	4	2.5	0.3	0.02	0.03	0.03	8
99BST-25	0.6	150	0.2	0.05	1700	1.6	3	2.5	0.3	0.02	0.21	0.03	8
99BST-26	0.5	400	0.4	0.05	1800	1.6	5	2.5	0.3	0.02	0.19	0.03	10
99BST-27	0.6	150	0.6	0.05	1800	1.9	5	2.5	0.3	0.02	0.17	0.03	10
99BST-28	0.7	150	0.5	0.05	2500	1.8	2	2.5	0.3	0.02	0.03	0.03	6
99BST-29	0.6	490	0.1	0.05	3000	1.7	4	2.5	0.2	0.02	0.17	0.03	9
99BST-30	0.6	150	0.4	0.40	1900	2.0	5	2.5	0.3	0.02	0.03	0.03	10
99BST-31	0.6	150	0.4	0.05	2400	1.8	5	2.5	0.3	0.02	0.03	0.03	10
99BST-32	1.0	510	0.6	0.05	2000	3.3	7	2.5	0.5	0.02	0.25	0.03	14
99BST-33	0.8	710	0.5	0.05	2700	2.3	5	2.5	0.3	0.02	0.31	0.05	10
99BST-34	0.9	150	0.5	0.05	2700	2.3	2	2.5	0.4	0.02	0.28	0.03	7
99BST-35	0.5	150	0.1	0.05	2000	1.3	4	2.5	0.2	0.02	0.18	0.03	8
99BST-36	0.6	740	0.4	0.05	1500	1.9	4	2.5	0.3	0.02	0.03	0.03	9
99BST-37	2.0	390	1.2	0.05	3000	6.0	14	2.5	1.0	0.02	0.62	0.09	24
99BST-38	0.6	150	0.5	0.05	1900	1.9	2	2.5	0.3	0.02	0.34	0.05	7
99BST-39	0.6	320	0.6	0.05	1200	1.7	5	2.5	0.3	0.02	0.03	0.03	10
99BST-40	1.0	150	0.5	0.05	2800	2.7	9	2.5	0.4	0.02	0.22	0.03	15

Sample Site	Sc	Sr	Th	U	Zn	La	Ce	Nd	Sm	Eu	Tb	Lu	TREE
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
99BST-41-1 Field Duplicate	0.5	150	0.2	0.05	2600	1.6	4	2.5	0.2	0.02	0.03	0.03	8
99BST-41-2 Field Duplicate	0.8	150	0.1	0.05	2500	2.2	5	2.5	0.4	0.02	0.21	0.03	10
99BST-42 Analytical Duplicate	0.5	1100	0.3	0.05	1500	1.4	5	2.5	0.2	0.02	0.03	0.03	9
99BST-42 Analytical Duplicate	0.5	730	0.3	0.05	1600	1.7	2	2.5	0.2	0.02	0.26	0.03	6
99BST-43	0.5	660	0.3	0.05	1800	1.6	5	2.5	0.3	0.27	0.11	0.03	10
99BST-44	1.2	720	0.8	0.05	2100	3.5	7	2.5	0.6	0.10	0.24	0.03	14
99BST-45	0.5	150	0.4	0.05	1700	1.5	4	2.5	0.2	0.21	0.21	0.03	9
99BST-46	0.9	490	0.5	0.05	2300	2.7	5	2.5	0.4	0.02	0.14	0.03	11
99BST-47	0.6	150	0.1	0.05	2400	1.7	2	2.5	0.3	0.02	0.21	0.03	6
99BST-48	0.5	350	0.1	0.05	2300	1.4	4	2.5	0.2	0.02	0.18	0.03	8
99BST-49	0.7	940	0.5	0.05	1700	2.1	5	2.5	0.3	0.02	0.14	0.03	10
99BST-50	0.8	1100	0.5	0.05	1700	2.5	4	2.5	0.4	0.02	0.20	0.03	10
99BST-51	0.8	730	0.4	0.05	2000	2.3	6	2.5	0.3	0.07	0.19	0.03	11
99BST-52	0.9	860	0.4	0.05	1800	2.8	7	2.5	0.4	0.02	0.14	0.03	13
99BST-53	0.7	560	0.5	0.05	1900	2.0	2	2.5	0.3	0.02	0.03	0.03	6
99BST-54	0.4	150	0.3	0.05	1500	1.4	5	2.5	0.2	0.02	0.03	0.03	9
99BST-55	1.9	150	0.9	0.05	2700	5.8	10	2.5	0.9	0.23	0.51	0.06	20
99BST-56	1.3	150	0.8	0.05	2400	3.8	8	2.5	0.6	0.02	0.35	0.05	15
99BST-57	0.5	600	0.1	0.05	2000	1.3	5	2.5	0.2	0.02	0.10	0.03	9
99BST-58	0.8	580	0.6	0.05	1400	2.4	7	2.5	0.4	0.16	0.20	0.03	13
99BST-59	1.7	150	1.4	0.05	3600	6.3	16	2.5	1.1	0.02	0.61	0.09	27
99BST-60	1.2	150	0.9	0.05	3400	4.2	10	2.5	0.8	0.31	0.28	0.03	18
99BST-61	1.2	150	0.5	0.05	2900	4.0	10	2.5	0.7	0.02	0.19	0.03	17
99BST-62	1.0	150	0.8	0.05	2700	3.3	7	2.5	0.6	0.02	0.25	0.03	14
99BST-63	0.4	150	0.1	0.05	2200	1.1	3	2.5	0.2	0.02	0.03	0.03	7
99BST-64	1.1	510	0.9	0.05	2300	3.7	10	2.5	0.7	0.02	0.32	0.03	17
99BST-65 Analytical Duplicate	0.4	150	0.4	0.05	1800	1.7	2	2.5	0.3	0.02	0.12	0.03	6
99BST-65 Analytical Duplicate	0.4	600	0.7	0.05	1800	2.0	5	2.5	0.3	0.20	0.14	0.03	10
99BST-66	1.2	940	0.8	0.40	3200	3.7	9	2.5	0.8	0.02	0.22	0.03	16
99BST-67	1.0	900	0.7	0.05	3400	3.0	10	2.5	0.5	0.02	0.03	0.03	16
99BST-68	0.7	150	0.5	0.30	2600	2.5	4	2.5	0.3	0.02	0.17	0.03	10
99BST-69	0.4	600	0.1	0.05	1700	1.7	4	2.5	0.2	0.02	0.03	0.03	8
99BST-70-1 Field Duplicate	0.5	150	0.1	0.05	2100	2.0	2	2.5	0.2	0.02	0.03	0.03	6
99BST-70-2 Field Duplicate	0.5	600	0.4	0.05	2200	1.8	4	2.5	0.3	0.02	0.03	0.03	9
99BST-71	0.3	850	0.1	0.05	1900	1.3	4	2.5	0.2	0.02	0.17	0.03	8
99BST-72	0.6	150	0.4	0.05	1700	2.2	6	2.5	0.3	0.14	0.21	0.03	11
99BST-73	0.6	150	0.3	0.05	2100	2.0	2	2.5	0.2	0.02	0.03	0.03	6
99BST-74	0.6	150	0.4	0.05	2100	2.2	5	2.5	0.3	0.02	0.24	0.03	10
99BST-75 Analytical Duplicate	0.3	150	0.1	0.05	1700	1.5	2	2.5	0.2	0.02	0.03	0.03	6
99BST-75 Analytical Duplicate	0.4	150	0.1	0.05	1800	1.4	2	2.5	0.2	0.02	0.03	0.03	6
99BST-76	0.6	330	0.3	0.05	2200	2.0	4	2.5	0.3	0.02	0.22	0.03	9
99BST-77	0.3	310	0.1	0.05	2300	1.3	2	2.5	0.2	0.02	0.03	0.03	6
99BST-78	0.6	150	0.3	0.05	1300	2.0	2	2.5	0.3	0.02	0.14	0.03	6
99BST-79	0.6	760	0.1	0.05	1100	2.1	5	2.5	0.3	0.02	0.03	0.03	10
99BST-80	0.5	150	0.2	0.05	2400	1.7	2	2.5	0.2	0.09	0.26	0.03	6
99BST-81	0.5	150	0.4	0.05	1900	1.9	4	2.5	0.3	0.02	0.03	0.03	9
99BST-82-1 Field Duplicate	1.6	610	1.0	0.05	2300	6.1	11	2.5	0.9	0.02	0.34	0.03	21
99BST-82-2 Field Duplicate	1.4	430	0.7	0.60	3300	4.9	9	2.5	0.7	0.19	0.56	0.08	18
99BST-83	0.9	150	0.5	0.05	2300	3.2	4	2.5	0.5	0.02	0.03	0.03	10

Sample Site	Sc	Sr	Th	U	Zn	La	Ce	Nd	Sm	Eu	Tb	Lu	TREE
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
99BST-84	0.7	150	0.5	0.05	2500	2.7	4	2.5	0.4	0.02	0.21	0.03	10
99BST-85	1.2	550	0.8	0.05	2200	4.8	5	2.5	0.7	0.02	0.24	0.03	13
99BST-86	0.5	150	0.3	0.05	2300	1.7	2	2.5	0.2	0.02	0.03	0.03	6
99BST-87	0.5	150	0.1	0.05	2000	1.9	5	2.5	0.3	0.02	0.03	0.03	10
99BST-88	0.7	640	0.6	0.05	2100	3.0	5	2.5	0.4	0.02	0.03	0.03	11
99BST-89	0.9	150	0.6	0.05	2300	3.3	4	2.5	0.4	0.02	0.03	0.03	10
99BST-90	1.1	150	0.7	0.05	2400	4.2	8	2.5	0.6	0.02	0.35	0.05	16
99BST-91	1.0	150	0.7	0.50	3100	4.0	8	2.5	0.6	0.02	0.03	0.03	15
99BST-92	1.7	150	1.1	0.05	2400	6.4	14	2.5	0.9	0.02	0.43	0.06	24
99BST-93	0.6	740	0.4	0.05	1900	2.1	5	2.5	0.3	0.02	0.03	0.03	10
99BST-94	0.8	150	0.5	0.30	2000	2.8	6	2.5	0.4	0.02	0.25	0.03	12
99BST-95	0.6	150	0.3	0.20	1600	2.2	4	2.5	0.3	0.02	0.03	0.03	9
99BST-96	0.4	470	0.1	0.05	1800	1.4	3	2.5	0.2	0.02	0.16	0.03	7
99BST-97	1.1	150	0.6	0.60	2500	4.1	8	2.5	0.5	0.02	0.30	0.05	15
99BST-98 Analytical Duplicate	0.6	370	0.4	0.05	1100	2.2	5	2.5	0.3	0.02	0.35	0.05	10
99BST-98 Analytical Duplicate	0.6	150	0.1	0.05	1100	2.2	4	2.5	0.3	0.02	0.13	0.03	9
99BST-99	0.8	150	0.6	0.05	1800	2.9	5	2.5	0.4	0.02	0.20	0.03	11
99BST-100	0.6	490	0.4	0.30	2100	2.2	4	2.5	0.3	0.02	0.20	0.03	9
99BST-101-1 Field Duplicate	0.7	450	0.5	0.05	1800	2.5	3	2.5	0.4	0.02	0.19	0.03	9
99BST-101-2 Field Duplicate	0.7	150	0.3	0.05	2000	2.4	2	2.5	0.4	0.02	0.19	0.03	7
99BST-102	0.3	150	0.1	0.05	1400	1.1	2	2.5	0.1	0.02	0.03	0.03	5
99BST-103	0.5	390	0.5	0.05	1500	2.2	3	2.5	0.3	0.02	0.18	0.03	8
99BST-104	0.4	150	0.1	0.05	1300	1.6	2	2.5	0.3	0.02	0.16	0.03	6
99BST-105	1.1	150	0.9	0.05	2800	4.0	9	2.5	0.6	0.02	0.28	0.03	16
99BST-106	0.8	150	0.4	0.60	1600	3.2	6	2.5	0.4	0.01	0.26	0.03	12
99BST-107	0.6	440	0.3	0.05	1700	2.1	4	2.5	0.3	0.12	0.09	0.03	9
99BST-108	0.4	490	0.5	0.05	1900	1.6	2	2.5	0.2	0.01	0.03	0.03	6
99BST-109 Analytical Duplicate	0.5	540	0.4	0.05	1500	1.6	3	2.5	0.3	0.02	0.03	0.03	7
99BST-109 Analytical Duplicate	0.5	150	0.1	0.05	1600	1.8	4	2.5	0.2	0.02	0.17	0.03	9
99BST-110	0.5	650	0.4	0.50	1900	2.0	2	2.5	0.3	0.02	0.03	0.03	6
99BST-111	0.5	150	0.4	0.05	1900	2.0	3	2.5	0.3	0.02	0.30	0.03	8
99BST-113	0.4	150	0.5	0.05	2000	1.5	3	2.5	0.2	0.02	0.03	0.03	7
99BST-114	0.6	1300	0.3	0.05	2800	2.1	4	2.5	0.3	0.01	0.12	0.03	9
99BST-115	0.6	550	0.4	0.05	2000	2.1	4	2.5	0.4	0.08	0.03	0.03	9
99BST-118	0.5	150	0.3	0.50	2200	1.4	4	2.5	0.2	0.02	0.03	0.03	8
99BST-120	2.1	480	1.2	0.05	1400	8.3	16	2.5	1.1	0.01	0.47	0.06	28
99BST-121	0.8	150	0.4	0.05	2000	2.8	6	2.5	0.4	0.02	0.21	0.03	12
99BST-122	1.1	400	0.8	0.05	2600	4.0	7	2.5	0.5	0.22	0.23	0.03	14
99BST-123	0.5	150	0.4	0.05	1500	2.2	4	10.0	0.3	0.01	0.14	0.03	17
99BST-124-1 Field Duplicate	0.6	150	0.4	0.05	1700	2.2	4	2.5	0.3	0.14	0.25	0.03	9
99BST-124-2 Field Duplicate	0.6	320	0.1	0.05	1700	2.0	4	2.5	0.3	0.02	0.03	0.03	9
99BST-125	0.6	150	0.4	0.05	1700	2.5	5	2.5	0.3	0.01	0.03	0.03	10
99BST-126	0.4	560	0.4	0.05	2000	1.5	2	2.5	0.2	0.09	0.15	0.03	6
99BST-127	0.7	150	0.4	0.05	1400	2.4	5	2.5	0.4	0.02	0.03	0.03	10
99BST-129	2.9	470	1.7	0.05	1200	9.4	19	2.5	1.3	0.34	0.47	0.06	33
99BST-130	1.1	520	0.7	0.50	2400	4.2	8	2.5	0.6	0.09	0.22	0.03	16
99BST-131	0.5	390	0.3	0.05	2200	2.0	4	2.5	0.3	0.02	0.18	0.03	9
99BST-132	1.6	880	0.9	0.05	2800	5.8	10	2.5	0.8	0.19	0.35	0.05	20
99BST-133	0.5	150	0.4	0.05	2100	1.6	3	2.5	0.2	0.02	0.03	0.03	7

Sample Site	Sc	Sr	Th	U	Zn	La	Ce	Nd	Sm	Eu	Tb	Lu	TREE
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
99BST-134 Analytical Duplicate	0.8	150	0.5	0.05	1300	2.9	4	2.5	0.4	0.02	0.19	0.03	10
99BST-134 Analytical Duplicate	0.7	400	0.4	0.05	1200	2.6	7	2.5	0.4	0.02	0.21	0.03	13
99BST-135	0.5	680	0.3	0.05	1500	1.9	4	2.5	0.2	0.01	0.08	0.03	9
99BST-137	1.0	480	0.7	0.05	2200	3.4	7	2.5	0.5	0.20	0.37	0.03	14
99BST-138	1.0	150	0.6	0.05	2400	3.4	6	6.0	0.4	0.01	0.15	0.03	16
99BST-139	0.3	650	0.3	0.05	1800	1.2	2	2.5	0.2	0.02	0.03	0.03	5
99BST-140	1.0	820	0.5	0.40	2300	3.2	7	2.5	0.5	0.01	0.24	0.03	13
99BST-141-1 Field Duplicate	0.4	410	0.4	0.05	1700	1.5	3	2.5	0.2	0.01	0.03	0.03	7
99BST-141-2 Field Duplicate	0.5	630	0.4	0.05	2100	1.6	3	2.5	0.3	0.02	0.03	0.03	7
99BST-142	0.7	520	0.4	0.70	2300	2.4	4	2.5	0.3	0.17	0.19	0.03	10
99BST-143	0.4	740	0.2	0.05	2100	1.4	3	2.5	0.2	0.01	0.03	0.03	7
99BST-144	0.4	830	0.5	0.05	1700	1.4	4	2.5	0.2	0.02	0.17	0.03	8
99BST-145	0.8	150	0.5	0.05	1900	2.9	6	2.5	0.4	0.01	0.26	0.03	12
99BST-146	1.0	150	0.6	0.05	2800	3.4	5	2.5	0.5	0.01	0.25	0.03	12
99BST-147	0.7	690	0.5	0.05	2200	2.5	5	2.5	0.4	0.11	0.28	0.03	11
99BST-148	0.3	150	0.2	0.05	1400	1.2	2	2.5	0.2	0.13	0.17	0.03	6
99BST-149	0.6	530	0.4	0.05	1800	2.0	3	2.5	0.3	0.16	0.17	0.03	8
99BST-150	0.8	150	0.6	0.05	2700	2.4	5	2.5	0.4	0.02	0.19	0.03	11
99BST-151 Analytical Duplicate	0.7	150	0.4	0.05	2500	2.4	3	2.5	0.4	0.01	0.12	0.03	8
99BST-151 Analytical Duplicate	0.7	150	0.5	0.05	2500	2.3	2	8.0	0.4	0.01	0.20	0.03	12
99BST-152	1.0	150	0.6	0.05	1800	3.2	7	2.5	0.6	0.24	0.26	0.03	14
99BST-153	1.0	600	0.7	0.50	2300	3.3	5	8.0	0.6	0.20	0.28	0.03	17
99BST-154	0.7	380	0.3	0.05	2300	2.2	4	2.5	0.3	0.01	0.21	0.03	9
99BST-155	0.5	510	0.4	0.05	2300	1.6	4	7.0	0.3	0.02	0.13	0.03	13
99BST-156	0.4	150	0.3	0.05	2100	1.1	2	2.5	0.2	0.02	0.17	0.03	6
99BST-157	0.6	350	0.4	0.05	2000	2.0	4	2.5	0.3	0.01	0.23	0.03	9
99BST-201	0.5	480	0.3	0.05	1800	1.4	2	2.5	0.3	0.21	0.14	0.03	6
99BST-202	0.3	540	0.1	0.05	1500	1.1	2	2.5	0.3	0.01	0.03	0.03	5
99BST-203	0.7	150	0.6	0.05	2500	2.6	5	2.5	0.4	0.02	0.13	0.03	11
99BST-204	0.4	150	0.1	0.05	1700	1.3	4	2.5	0.3	0.01	0.03	0.03	8
99BST-205	0.6	1200	0.5	0.05	1900	2.1	4	2.5	0.3	0.02	0.18	0.03	9
99BST-206	0.5	1100	0.4	0.05	1700	1.8	4	2.5	0.3	0.01	0.18	0.03	9
99BST-207	0.5	150	0.1	0.05	2100	1.5	5	2.5	0.2	0.02	0.12	0.03	9
99BST-208	0.5	450	0.3	0.05	1600	1.8	3	2.5	0.3	0.01	0.14	0.03	8
99BST-209	0.6	150	0.7	0.05	1900	1.7	3	2.5	0.4	0.17	0.18	0.03	8
99BST-210	0.3	150	0.4	0.05	2100	1.2	3	2.5	0.2	0.01	0.09	0.03	7
99BST-211	0.6	150	0.4	0.05	2000	2.2	4	2.5	0.4	0.01	0.20	0.03	9
99BST-212 Analytical Duplicate	0.4	460	0.1	0.05	1800	1.3	4	2.5	0.2	0.02	0.18	0.03	8
99BST-212 Analytical Duplicate	0.4	440	0.3	0.05	1700	1.5	2	2.5	0.3	0.02	0.03	0.03	6
99BST-213	0.5	530	0.4	0.05	1800	1.6	2	2.5	0.2	0.02	0.03	0.03	6
99BST-214	0.7	410	0.5	0.05	2000	2.7	5	2.5	0.4	0.01	0.21	0.03	11
99BST-215	1.0	420	0.6	0.40	1600	3.4	6	2.5	0.4	0.01	0.17	0.03	13
99BST-216	0.6	720	0.4	0.05	1500	1.9	5	2.5	0.4	0.01	0.12	0.03	10
99BST-217	0.5	660	0.1	0.05	1800	1.8	2	2.5	0.3	0.01	0.20	0.03	6
99BST-218	0.3	420	0.1	0.05	1300	1.0	2	2.5	0.2	0.02	0.16	0.03	5
99BST-219-1 Field Duplicate	0.7	530	0.5	0.05	1800	2.4	5	2.5	0.4	0.19	0.22	0.03	11
99BST-219-2 Field Duplicate	0.6	150	0.5	0.05	2200	1.9	3	2.5	0.3	0.01	0.15	0.03	8
99BST-220	0.9	700	0.6	0.05	1900	3.0	7	2.5	0.4	0.02	0.19	0.03	13
99BST-221	0.4	150	0.3	0.05	1200	1.4	2	2.5	0.3	0.01	0.16	0.03	6

Sample Site	Sc	Sr	Th	U	Zn	La	Ce	Nd	Sm	Eu	Tb	Lu	TREE
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
99BST-222	1.0	490	0.5	0.05	2400	3.2	4	2.5	0.4	0.01	0.20	0.03	10
99BST-223	0.5	500	0.3	0.05	2300	1.7	2	2.5	0.3	0.01	0.03	0.03	6
99BST-224	0.9	150	0.7	0.05	1900	3.3	7	2.5	0.6	0.01	0.28	0.03	14
99BST-226	0.9	150	0.6	0.05	2200	2.7	7	2.5	0.5	0.02	0.17	0.03	13
99BST-227	0.6	150	0.1	0.05	1800	1.9	4	2.5	0.3	0.02	0.20	0.03	9
99BST-228	0.6	150	0.4	0.05	1600	2.2	4	2.5	0.4	0.01	0.13	0.03	9
99BST-229	0.5	1100	0.1	0.05	2400	1.5	4	2.5	0.4	0.18	0.03	0.03	9
99BST-230 Analytical Duplicate	0.8	700	0.7	0.05	1300	3.0	5	2.5	0.5	0.18	0.27	0.03	11
99BST-230 Analytical Duplicate	0.8	590	0.6	0.05	1300	3.0	5	2.5	0.5	0.02	0.26	0.03	11
99BST-230 Analytical Duplicate	0.8	150	0.6	0.05	1800	3.2	6	2.5	0.5	0.02	0.03	0.03	12
99BST-231	0.5	150	0.5	0.05	1600	1.7	3	2.5	0.3	0.01	0.16	0.03	8
99BST-232	0.6	150	0.3	0.05	2200	2.0	4	2.5	0.3	0.01	0.11	0.03	9
99BST-233	0.9	150	0.7	0.05	2200	2.9	4	2.5	0.5	0.01	0.19	0.03	10
99BST-234	1.1	150	0.8	0.05	1300	4.0	8	2.5	0.6	0.01	0.34	0.05	16
99BST-235	0.8	150	0.6	0.05	1600	2.5	5	2.5	0.3	0.01	0.19	0.03	11
99BST-236	0.7	570	0.4	0.05	2100	2.6	4	2.5	0.5	0.02	0.03	0.03	10
99BST-237	0.8	430	0.6	0.05	2600	2.7	5	2.5	0.4	0.02	0.22	0.03	11
99BST-238	0.6	600	0.4	0.40	1200	2.1	4	2.5	0.4	0.20	0.03	0.03	9
99BST-239	0.8	790	0.7	0.05	1500	3.0	6	2.5	0.4	0.17	0.03	0.03	12
99BST-240	0.4	150	0.5	0.05	1400	1.5	2	8.0	0.3	0.01	0.03	0.03	11
99BST-241	0.4	600	0.3	0.05	1600	1.8	2	2.5	0.2	0.02	0.03	0.03	6
99BST-242	0.5	150	0.3	0.05	1800	1.8	2	2.5	0.4	0.21	0.03	0.03	6
99BST-243	0.3	150	0.1	0.05	1300	0.9	2	11.0	0.2	0.02	0.03	0.03	14
99BST-244	0.4	360	0.1	0.05	1300	1.3	2	2.5	0.3	0.02	0.03	0.03	6
99BST-245	0.5	150	0.2	0.05	1300	1.6	3	6.0	0.3	0.02	0.03	0.03	11
99BST-246	0.6	150	0.3	0.30	1700	2.1	2	2.5	0.4	0.02	0.16	0.03	7
99BST-247 Analytical Duplicate	0.3	600	0.3	0.05	1200	1.3	2	2.5	0.2	0.01	0.03	0.03	6
99BST-247 Analytical Duplicate	0.4	660	0.1	0.05	1300	1.4	2	2.5	0.3	0.02	0.03	0.03	6
99BST-248-1 Field Duplicate	0.5	1300	0.4	0.05	1300	1.8	2	2.5	0.3	0.01	0.20	0.03	6
99BST-248-2 Field Duplicate	0.4	1100	0.1	0.05	2200	1.2	2	2.5	0.2	0.02	0.03	0.03	5
99BST-249	0.6	150	0.4	0.05	2300	2.0	4	2.5	0.3	0.02	0.03	0.03	9
99BST-251	0.6	390	0.4	0.05	2200	1.9	2	2.5	0.3	0.02	0.25	0.03	6
99BST-252	0.6	470	0.4	0.05	1600	2.0	5	2.5	0.3	0.02	0.03	0.03	10
99BST-253	0.7	150	0.5	0.05	2200	2.3	4	2.5	0.4	0.02	0.19	0.03	9
99BST-254	0.9	390	0.4	0.05	1800	2.6	5	2.5	0.4	0.02	0.25	0.03	11
99BST-255	0.6	150	0.4	0.05	1800	1.9	2	2.5	0.3	0.02	0.03	0.03	6
99BST-256	0.3	150	0.1	0.05	1800	1.2	2	2.5	0.3	0.02	0.19	0.03	6
99BST-257	0.5	390	0.4	0.05	2200	1.7	2	2.5	0.3	0.02	0.12	0.03	6
99BST-258	0.5	150	0.1	0.05	1800	1.7	5	2.5	0.3	0.02	0.19	0.03	10
99BST-259	0.5	440	0.3	0.05	2300	1.7	5	2.5	0.3	0.02	0.25	0.03	10
99BST-260	0.6	150	0.4	0.05	1900	2.1	6	2.5	0.4	0.02	0.20	0.03	11
99BST-261	0.8	440	0.6	0.05	1200	2.5	5	2.5	0.4	0.02	0.10	0.03	11
99BST-262	0.9	150	0.4	0.05	2700	3.1	5	2.5	0.5	0.02	0.30	0.03	11
99BST-263 Analytical Duplicate	0.3	560	0.3	0.05	1600	0.9	2	6.0	0.3	0.12	0.20	0.03	9
99BST-263 Analytical Duplicate	0.3	650	0.3	0.05	1700	1.2	2	2.5	0.2	0.01	0.13	0.03	6
99BST-264	1.1	380	0.7	0.05	1500	4.0	7	2.5	0.7	0.23	0.20	0.03	15
99BST-265	0.4	150	0.1	0.30	2000	1.6	3	2.5	0.4	0.01	0.14	0.03	8
99BST-266	0.7	530	0.5	0.30	2400	2.3	4	2.5	0.3	0.01	0.25	0.03	9
99BST-267	0.4	150	0.2	0.05	1800	1.5	3	2.5	0.6	0.21	0.18	0.03	8

Sample Site	Sc	Sr	Th	U	Zn	La	Ce	Nd	Sm	Eu	Tb	Lu	TREE
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
99BST-268	0.6	440	0.7	0.05	2300	2.4	6	2.5	0.4	0.02	0.03	0.03	11
99BST-269	0.6	1000	0.6	0.05	2400	2.3	2	2.5	0.3	0.02	0.03	0.03	7
99BST-270	0.3	610	0.4	0.05	1500	1.2	4	2.5	0.2	0.02	0.03	0.03	8
99BST-271	0.7	520	0.7	0.05	2200	2.9	6	2.5	0.5	0.01	0.33	0.03	12
99BST-272	0.4	150	0.4	0.05	1900	1.3	2	2.5	0.2	0.02	0.03	0.03	6
99BST-273	0.5	150	0.3	0.05	1800	1.8	3	2.5	0.3	0.02	0.27	0.03	8
99BST-274	0.9	540	0.8	0.05	2300	3.8	6	2.5	0.6	0.17	0.34	0.03	13
99BST-275	0.6	400	0.6	0.05	2100	2.3	4	2.5	0.3	0.01	0.18	0.03	9
99BST-276-1 Field Duplicate	0.6	150	0.5	0.05	1600	2.6	5	2.5	0.4	0.16	0.18	0.03	11
99BST-276-2 Field Duplicate	0.8	480	0.6	0.05	2100	3.2	5	2.5	0.5	0.01	0.30	0.03	12
99BST-277	1.0	690	0.9	0.05	2300	3.8	9	2.5	0.6	0.25	0.23	0.03	16
99BST-278	0.6	680	0.6	0.05	2800	2.5	4	2.5	0.4	0.02	0.31	0.05	10
99BST-279 Analytical Duplicate	0.8	510	0.7	0.05	3100	3.1	7	2.5	0.5	0.02	0.30	0.05	13
99BST-279 Analytical Duplicate	0.8	700	0.6	0.05	3100	2.8	5	2.5	0.4	0.27	0.31	0.05	11
99BST-280	0.6	760	0.6	0.05	2600	1.8	5	2.5	0.3	0.02	0.03	0.03	10
99BST-281	0.6	530	0.4	0.05	1500	2.0	6	2.5	0.3	0.02	0.03	0.03	11
99BST-282-1 Field Duplicate	1.0	510	1.0	0.05	2600	3.6	7	2.5	0.6	0.02	0.20	0.03	14
99BST-282-2 Field Duplicate	0.6	150	0.6	0.05	1900	2.3	5	2.5	0.3	0.02	0.03	0.03	10
99BST-283	0.9	470	0.7	0.05	2200	3.2	5	2.5	0.5	0.01	0.31	0.05	12
99BST-284	0.8	150	0.8	0.05	2300	3.2	4	2.5	0.5	0.02	0.28	0.03	11
99BST-285	0.9	470	0.7	0.40	3200	3.2	8	2.5	0.5	0.15	0.36	0.06	15
99BST-287	0.6	150	0.7	0.05	2000	2.5	7	2.5	0.4	0.02	0.03	0.03	12
99BST-288	0.4	150	0.6	0.05	2400	1.6	4	2.5	0.3	0.02	0.03	0.03	8
99BST-289	0.6	150	0.6	0.05	2700	2.2	5	2.5	0.4	0.02	0.20	0.03	10
99BST-290	0.6	490	0.6	0.05	2300	2.3	4	2.5	0.4	0.01	0.18	0.03	9
99BST-291	0.9	640	0.8	0.05	2400	3.2	6	2.5	0.6	0.19	0.22	0.03	13
99BST-292-1 Field Duplicate	0.6	560	0.1	0.05	1900	2.2	4	2.5	0.3	0.02	0.30	0.05	9
99BST-292-2 Field Duplicate	0.4	440	0.1	0.05	2200	1.7	2	2.5	0.3	0.02	0.10	0.03	6
99BST-293	0.6	150	0.7	0.05	1500	2.2	2	2.5	0.3	0.02	0.22	0.03	7
99BST-294	0.6	520	0.5	0.05	1800	2.2	2	2.5	0.3	0.02	0.26	0.03	7
99BST-295	0.4	150	0.1	0.05	1900	1.5	4	2.5	0.2	0.02	0.10	0.03	8
99BST-296	0.9	850	0.8	0.05	1700	3.4	7	2.5	0.5	0.02	0.13	0.03	14
99BST-297	0.7	150	0.5	0.05	2300	2.6	4	2.5	0.4	0.02	0.03	0.03	10
99BST-298	1.1	430	1.6	0.60	1600	6.0	11	2.5	0.8	0.02	0.40	0.06	21
99BST-300	0.4	690	0.4	0.05	1800	1.4	2	2.5	0.2	0.02	0.03	0.03	6
99BST-301	0.3	150	0.4	0.05	2400	1.1	2	2.5	0.2	0.02	0.03	0.03	5
99BST-302-1 Field Duplicate	0.7	650	0.5	0.05	1700	2.4	5	2.5	0.4	0.02	0.03	0.03	10
99BST-302-2 Field Duplicate	0.7	530	0.5	0.05	1800	2.4	5	2.5	0.4	0.02	0.25	0.03	11
99BST-303	0.7	760	0.3	0.05	2300	2.4	4	11.0	0.4	0.02	0.26	0.03	18
99BST-304	0.7	670	0.6	0.05	1700	2.9	5	2.5	0.4	0.02	0.03	0.03	11
99BST-305	0.4	590	0.5	0.05	2000	1.8	2	2.5	0.3	0.02	0.15	0.03	6
99BST-307	0.4	540	0.5	0.05	2400	1.5	3	9.0	0.2	0.02	0.13	0.03	14
99BST-308	0.8	150	0.6	0.05	2000	3.1	6	2.5	0.5	0.02	0.20	0.03	12
99BST-309	0.3	440	0.1	0.05	2400	0.9	2	2.5	0.2	0.02	0.03	0.03	5
99BST-314-1 Field Duplicate	0.4	580	0.1	0.50	2200	1.5	2	2.5	0.2	0.02	0.03	0.03	6
99BST-314-2 Field Duplicate	0.3	380	0.4	0.05	1400	1.1	4	2.5	0.2	0.02	0.24	0.03	8
99BST-315	0.6	600	0.5	0.05	2700	2.2	6	2.5	0.4	0.20	0.14	0.03	11
99BST-316 Analytical Duplicate	0.9	460	0.6	0.05	2400	3.0	6	2.5	0.5	0.02	0.19	0.03	12
99BST-316 Analytical Duplicate	0.8	380	0.6	0.05	2200	3.0	6	2.5	0.5	0.19	0.44	0.03	13

Sample Site	Sc	Sr	Th	U	Zn	La	Ce	Nd	Sm	Eu	Tb	Lu	TREE
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
99BST-317	0.6	150	0.5	0.05	2700	2.3	2	2.5	0.4	0.02	0.23	0.03	7
99BST-318	0.6	150	0.6	0.05	2200	2.1	2	2.5	0.4	0.02	0.13	0.03	7
99BST-319	0.5	740	0.4	0.05	2300	1.8	2	2.5	0.3	0.02	0.18	0.03	6
99BST-320	0.4	720	0.1	0.05	2900	1.4	2	2.5	0.2	0.02	0.10	0.03	6
99BST-321	0.7	1200	0.6	0.05	5100	2.2	5	2.5	0.3	0.02	0.21	0.03	10
99BST-322	0.9	810	0.7	0.05	1700	3.7	8	10.0	0.6	0.02	0.29	0.03	23
99BST-323	0.7	150	0.5	0.05	1500	3.0	5	9.0	0.4	0.02	0.22	0.03	18
99BST-324	0.6	150	0.4	0.05	2300	2.1	3	2.5	0.3	0.01	0.03	0.03	8
99BST-325	0.8	540	0.6	0.05	3400	3.1	7	2.5	0.5	0.17	0.20	0.03	13
99BST-326	0.6	540	0.7	0.05	2100	2.4	7	8.0	0.4	0.02	0.21	0.03	18
99BST-327	0.6	570	0.5	0.05	2800	2.4	5	8.0	0.4	0.02	0.03	0.03	16
99BST-328	0.3	560	0.3	0.05	1600	1.3	2	7.0	0.2	0.02	0.03	0.03	10
99BST-329-1 Field Duplicate	0.7	150	0.6	0.05	1900	2.9	7	8.0	0.5	0.02	0.35	0.06	19
99BST-329-2 Field Duplicate	0.9	730	0.8	0.05	1700	3.6	8	2.5	0.6	0.02	0.38	0.06	15
99BST-330	0.9	680	0.7	0.05	2600	3.3	7	2.5	0.5	0.09	0.37	0.06	14
99BST-331	0.5	620	0.4	0.05	2100	2.0	5	2.5	0.3	0.02	0.03	0.03	10
99BST-332	0.4	830	0.2	0.05	1500	1.6	3	2.5	0.3	0.01	0.03	0.03	7
99BST-333	0.5	360	0.4	0.05	2100	1.6	2	9.0	0.3	0.11	0.24	0.03	13
99BST-334 Analytical Duplicate	0.6	150	0.4	0.05	1800	2.1	7	2.5	0.4	0.02	0.03	0.03	12
99BST-334 Analytical Duplicate	0.6	410	0.4	0.05	1700	2.1	5	2.5	0.4	0.02	0.03	0.03	10
99BST-335	0.5	150	0.5	0.05	2100	1.9	5	9.0	0.3	0.02	0.03	0.03	16
99BST-336	0.8	600	0.8	0.05	2300	2.8	7	2.5	0.4	0.02	0.26	0.03	13
99BST-337	0.6	150	0.4	0.05	2100	2.4	4	2.5	0.3	0.02	0.24	0.03	9
99BST-338	0.3	550	0.2	0.05	1800	1.2	2	2.5	0.2	0.02	0.17	0.03	6
99BST-339	0.4	150	0.4	0.05	2100	1.3	2	2.5	0.2	0.02	0.03	0.03	6
99BST-340	0.3	550	0.1	0.05	2300	1.4	2	2.5	0.1	0.02	0.03	0.03	6
99BST-341	0.7	720	0.5	0.05	2500	2.8	9	2.5	0.4	0.02	0.19	0.03	15
99BST-342	0.6	560	0.1	0.05	2400	1.9	5	2.5	0.3	0.23	0.03	0.03	10
99BST-343	0.6	770	0.1	0.05	2600	2.2	4	2.5	0.3	0.02	0.03	0.03	9
99BST-344	0.4	320	0.1	0.05	2100	1.5	5	2.5	0.3	0.02	0.31	0.05	10
99BST-345	0.8	1000	0.7	0.05	2400	2.9	6	2.5	0.4	0.02	0.37	0.06	12
99BST-346	0.6	150	0.5	0.05	2900	2.3	6	2.5	0.4	0.02	0.33	0.05	12
99BST-347	0.5	900	0.5	0.05	2800	2.0	2	2.5	0.3	0.02	0.15	0.03	6
99BST-348	0.4	150	0.7	0.05	2500	1.7	6	2.5	0.3	0.02	0.12	0.03	11
99BST-349	0.5	510	0.4	0.05	2600	2.0	4	13.0	0.3	0.02	0.03	0.03	19
99BST-350	0.5	360	0.4	0.05	2200	1.8	2	2.5	0.3	0.02	0.20	0.03	6
99BST-351	0.3	150	0.4	0.05	2300	1.2	4	2.5	0.2	0.02	0.03	0.03	8

Appendix V-5

Duplicate Pair INA Analyses.

Sample Site	UTM		Ash	Au	As	Ba	Br	Ca	Co	Cr	Cs	Fe	Hf	K	Mo	Na	Ni	Rb	Sb
	Easting	Northing	%	ppb	ppm	ppm	ppm	%	ppm	ppm	ppm	%	ppm	%	ppm	ppm	ppm	ppm	ppm
99BST-7 Analytical Duplicate	380012.55	6085720.22	1.90	13	1.6	1200	36	28.3	8.0	1	2.8	0.25	0.5	24.0	1	1810	25	210	0.4
99BST-7 Analytical Duplicate	380012.55	6085720.22	1.90	17	0.3	1200	40	28.9	8.0	5	2.3	0.22	0.3	23.6	1	1950	61	210	0.5
99BST-21-1 Field Duplicate	384823.47	6085301.09	1.80	10	1.1	1000	32	27.0	5.0	5	3.3	0.20	0.5	20.5	1	1100	120	180	0.2
99BST-21-2 Field Duplicate	384823.47	6085301.09	1.80	16	2.4	1400	34	25.5	6.0	7	2.9	0.35	0.3	18.8	1	1430	74	120	0.4
99BST-24 Analytical Duplicate	383922.80	6083064.31	2.14	31	2.3	1100	33	25.3	11.0	7	13.0	0.24	0.3	21.3	1	1310	25	300	0.5
99BST-24 Analytical Duplicate	383922.80	6083064.31	2.14	3	2.2	1100	32	26.3	12.0	7	12.0	0.25	0.3	22.6	1	1260	80	310	0.5
99BST-41-1 Field Duplicate	391167.56	6086589.75	2.08	6	1.4	460	30	24.2	7.0	4	2.5	0.23	0.3	24.2	1	1040	25	240	0.2
99BST-41-2 Field Duplicate	391167.56	6086589.75	1.65	11	1.6	340	30	28.3	6.0	5	2.5	0.33	0.3	20.8	1	1370	25	210	0.3
99BST-42 Analytical Duplicate	391238.39	6085940.29	2.14	3	1.1	2400	23	21.5	8.0	1	7.9	0.19	0.5	28.5	5	736	85	380	0.3
99BST-42 Analytical Duplicate	391238.39	6085940.29	2.14	6	0.9	2500	25	22.1	9.0	1	8.6	0.20	0.3	29.2	1	805	25	380	0.1
99BST-65 Analytical Duplicate	371421.23	6083690.52	2.43	9	1.0	950	23	21.9	2.0	1	4.4	0.21	0.3	23.7	1	1240	25	380	0.3
99BST-65 Analytical Duplicate	371421.23	6083690.52	2.43	9	1.8	790	23	22.4	3.0	1	3.9	0.21	0.3	25.2	1	1240	25	390	0.3
99BST-70-1 Field Duplicate	377176.25	6084802.55	1.55	9	1.3	2200	27	20.3	18.0	5	42.0	0.23	0.3	25.7	1	1910	230	950	0.8
99BST-70-2 Field Duplicate	377176.25	6084802.55	1.52	15	1.6	2200	27	22.3	18.0	6	36.0	0.21	0.3	26.4	1	2930	250	990	0.8
99BST-75 Analytical Duplicate	367566.14	6083452.59	2.19	8	0.3	550	91	20.7	3.0	1	15.0	0.18	0.3	28.9	1	682	80	870	0.4
99BST-75 Analytical Duplicate	367566.14	6083452.59	2.19	11	0.3	590	89	21.7	5.0	5	15.0	0.12	0.3	29.0	1	778	25	870	0.3
99BST-82-1 Field Duplicate	372516.50	6088851.06	1.78	26	4.5	1600	51	21.6	5.0	9	2.6	0.56	1.5	20.8	4	3500	72	260	0.5
99BST-82-2 Field Duplicate	372516.50	6088851.06	1.58	7	2.6	320	38	19.8	5.0	15	4.4	0.55	0.3	26.8	1	2210	64	420	0.4
99BST-98 Analytical Duplicate	360997.64	6086474.25	2.19	3	1.7	840	64	25.4	5.0	5	1.6	0.21	0.3	23.0	1	1020	25	180	0.1
99BST-98 Analytical Duplicate	360997.64	6086474.25	2.19	9	1.0	810	62	26.6	5.0	5	1.9	0.25	0.3	23.7	1	1100	96	150	0.1
99BST-101-1 Field Duplicate	364004.46	6090265.61	2.04	6	1.2	980	23	26.4	4.0	6	3.5	0.26	0.6	18.0	1	1050	25	330	0.2
99BST-101-2 Field Duplicate	364004.46	6090265.61	1.84	12	1.5	810	39	24.1	8.0	6	9.4	0.28	0.3	23.4	1	1290	130	520	0.3
99BST-109 Analytical Duplicate	368585.13	6084340.09	2.18	3	1.5	740	38	23.6	3.0	1	2.9	0.22	0.3	20.1	1	904	25	230	0.2
99BST-109 Analytical Duplicate	368585.13	6084340.09	2.18	3	1.6	820	42	24.1	3.0	4	2.6	0.21	0.3	20.7	1	938	25	230	0.2
99BST-124-1 Field Duplicate	362147.22	6090729.66	2.03	3	0.9	790	36	21.5	8.0	5	5.3	0.24	0.3	21.9	1	1140	25	340	0.2
99BST-124-2 Field Duplicate	362147.22	6090729.66	2.09	6	1.2	850	58	20.8	5.0	8	11.0	0.22	0.3	25.4	1	1060	25	520	0.3
99BST-134 Analytical Duplicate	353845.36	6085793.03	2.35	7	1.3	1100	14	30.5	8.0	6	4.0	0.29	0.3	17.9	1	1130	25	250	0.2
99BST-134 Analytical Duplicate	353845.36	6085793.03	2.35	6	1.2	1100	14	29.5	7.0	6	4.3	0.27	0.6	18.2	1	1150	25	260	0.2

Sample Site	UTM		Ash	Au	As	Ba	Br	Ca	Co	Cr	Cs	Fe	Hf	K	Mo	Na	Ni	Rb	Sb
	Easting	Northing	%	ppb	ppm	ppm	ppm	%	ppm	ppm	ppm	%	ppm	%	ppm	ppm	ppm	ppm	ppm
99BST-141-1 Field Duplicate	362142.99	6084076.48	2.04	14	1.8	1600	31	24.2	7.0	3	2.2	0.18	0.3	26.0	1	689	25	230	0.2
99BST-141-2 Field Duplicate	362142.99	6084076.48	2.29	3	1.5	1400	51	26.5	12.0	1	1.4	0.19	0.5	23.2	1	867	25	160	0.2
99BST-151 Analytical Duplicate	379171.14	6087918.37	2.00	3	1.3	730	35	21.4	4.0	5	2.3	0.27	0.3	21.1	1	1060	25	260	0.2
99BST-151 Analytical Duplicate	379171.14	6087918.37	2.00	3	1.2	680	36	20.6	5.0	5	1.8	0.27	0.3	20.7	1	1050	25	250	0.2
99BST-212 Analytical Duplicate	367569.80	6080402.33	1.97	10	1.6	1100	38	22.7	14.0	1	2.2	0.22	0.3	21.8	1	1850	120	280	0.2
99BST-212 Analytical Duplicate	367569.80	6080402.33	1.97	7	1.5	1100	36	23.5	14.0	5	1.5	0.20	0.3	20.3	1	1780	25	280	0.2
99BST-219-1 Field Duplicate	367825.77	6068425.98	2.04	13	2.1	970	56	25.2	7.0	7	2.5	0.27	0.3	18.0	1	1180	25	280	0.4
99BST-219-2 Field Duplicate	367825.77	6068425.98	1.89	40	1.7	910	22	22.1	6.0	7	0.8	0.24	0.3	19.1	1	1820	100	160	0.3
99BST-230 Analytical Duplicate	355405.44	6076684.24	2.49	12	2.1	640	34	25.7	7.0	8	1.9	0.35	0.3	16.9	1	2770	25	120	0.5
99BST-230 Analytical Duplicate	355405.44	6076684.24	1.73	19	2.8	710	36	26.4	7.0	6	1.8	0.37	0.3	18.2	1	3110	25	120	0.6
99BST-230 Analytical Duplicate	355405.44	6076684.24	1.73	38	1.5	560	48	18.1	7.0	6	1.3	0.35	0.8	20.2	1	3960	25	210	0.5
99BST-247 Analytical Duplicate	367223.27	6077159.70	2.47	3	0.3	890	20	21.9	14.0	7	0.8	0.19	0.3	16.3	1	652	25	170	0.1
99BST-247 Analytical Duplicate	367223.27	6077159.70	2.47	5	1.1	900	23	22.3	13.0	1	1.0	0.16	0.3	16.8	1	666	99	160	0.2
99BST-248-1 Field Duplicate	363998.87	6080166.06	1.84	15	1.4	750	16	20.8	6.0	5	0.6	0.25	0.3	23.2	1	1400	25	180	0.2
99BST-248-2 Field Duplicate	366434.90	6080165.02	1.73	6	1.4	730	16	22.4	5.0	5	0.6	0.20	0.3	20.8	1	1070	25	170	0.3
99BST-263 Analytical Duplicate	357994.39	6070646.49	2.20	3	0.9	650	26	26.4	5.0	4	1.2	0.17	0.3	20.9	1	720	25	200	0.2
99BST-263 Analytical Duplicate	357994.39	6070646.49	2.20	3	0.8	720	28	26.5	3.0	3	1.1	0.17	0.3	21.0	1	657	25	210	0.3
99BST-276-1 Field Duplicate	385148.66	6077248.38	1.87	3	2.9	840	19	25.4	3.0	5	4.6	0.26	0.7	17.2	1	1190	25	330	0.3
99BST-276-2 Field Duplicate	385148.66	6077248.38	1.97	3	3.9	760	19	30.0	3.0	8	1.4	0.33	0.8	15.7	1	1300	25	190	0.7
99BST-279 Analytical Duplicate	376310.70	6077007.87	2.17	7	2.0	910	34	25.1	3.0	9	1.1	0.31	0.8	19.2	1	1490	25	110	0.3
99BST-279 Analytical Duplicate	376310.70	6077007.87	2.17	6	2.0	970	33	23.5	3.0	4	1.0	0.31	1.1	18.0	1	1360	73	110	0.3
99BST-282-1 Field Duplicate	382727.20	6079909.30	1.81	9	2.1	980	27	25.2	4.0	10	2.4	0.39	0.6	21.6	1	1600	25	230	0.5
99BST-282-2 Field Duplicate	382727.20	6079909.30	1.62	5	1.6	1100	21	18.8	7.0	6	7.9	0.22	0.7	23.1	1	1290	100	440	0.4
99BST-292-1 Field Duplicate	372658.22	6079359.51	1.80	5	2.0	960	36	22.0	4.0	7	4.0	0.26	0.6	27.3	1	1160	25	340	0.4
99BST-292-2 Field Duplicate	372658.22	6079359.51	2.14	3	1.5	1200	45	21.9	9.0	4	5.3	0.19	0.3	23.7	1	769	99	460	0.3
99BST-302-1 Field Duplicate	381825.16	6080640.92	2.27	3	2.1	830	23	28.3	4.0	9	4.1	0.28	0.5	18.6	1	1290	25	250	0.4
99BST-302-2 Field Duplicate	381825.16	6080640.92	2.27	6	1.8	840	24	27.9	4.0	7	3.5	0.27	0.5	18.2	1	1250	25	250	0.4
99BST-314-1 Field Duplicate	380441.27	6077362.52	1.85	6	1.2	1600	49	21.5	10.0	8	25.0	0.21	0.3	23.5	1	769	120	790	0.6
99BST-314-2 Field Duplicate	380441.27	6077362.52	2.15	3	1.2	770	40	22.2	8.0	4	13.0	0.18	0.3	21.6	1	893	25	680	0.6
99BST-316 Analytical Duplicate	378083.67	6075976.30	2.31	6	3.5	780	46	25.1	4.0	7	3.2	0.32	0.6	25.7	1	1520	25	280	0.4
99BST-316 Analytical Duplicate	378083.67	6075976.30	2.31	3	3.1	790	43	22.5	3.0	6	2.8	0.29	0.7	22.3	1	1500	25	260	0.3
99BST-329-1 Field Duplicate	373524.62	6072776.30	1.83	3	2.1	600	42	19.6	9.0	9	3.0	0.30	0.3	23.6	1	1290	85	380	0.3
99BST-329-2 Field Duplicate	373524.62	6072776.30	2.03	7	2.1	580	47	20.3	8.0	8	2.6	0.37	0.6	24.8	3	1400	25	300	0.3

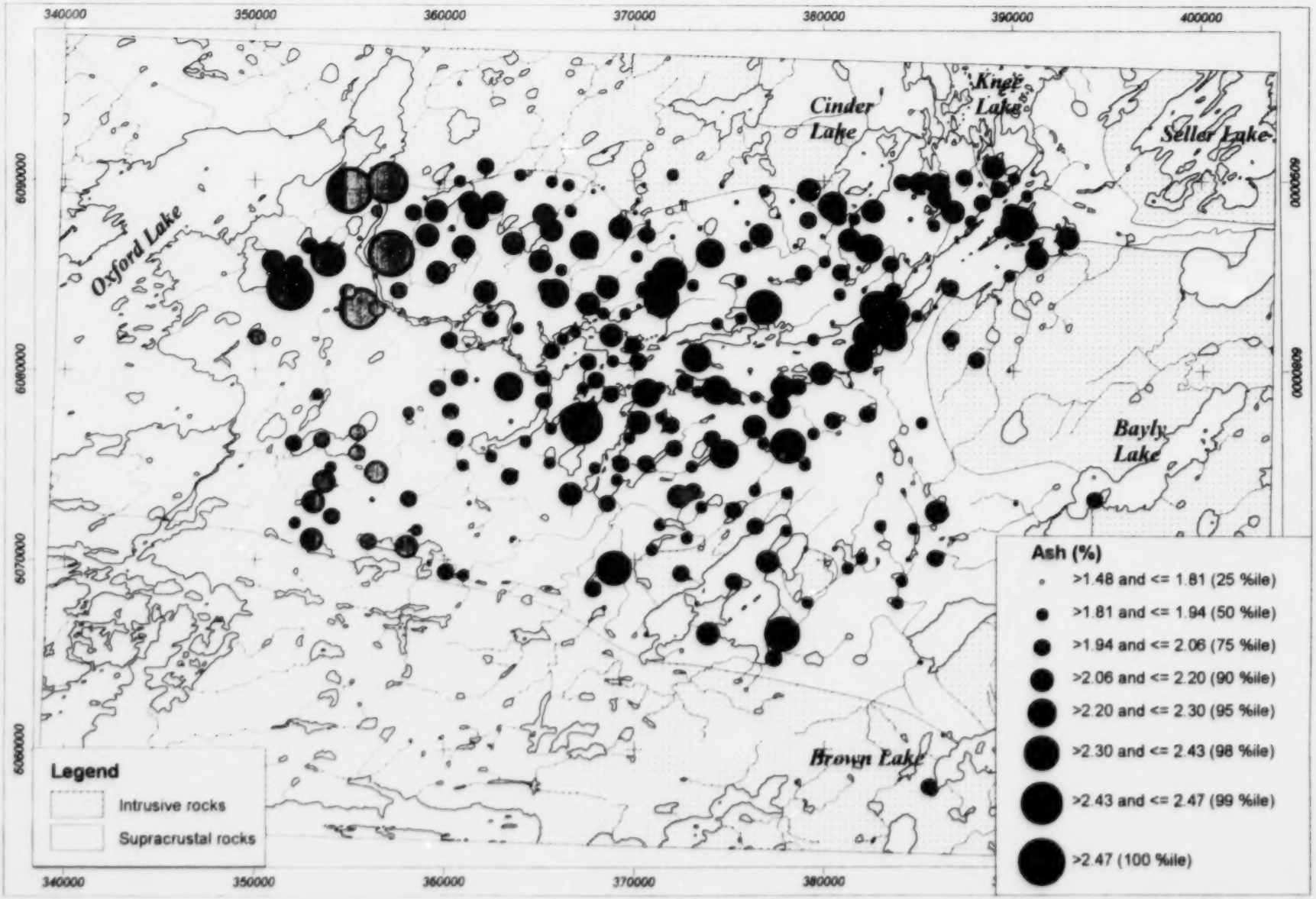
Sample Site	UTM		Ash	Au	As	Ba	Br	Ca	Co	Cr	Cs	Fe	Hf	K	Mo	Na	Ni	Rb	Sb
	Easting	Northing	%	ppb	ppm	ppm	ppm	%	ppm	ppm	ppm	%	ppm	%	ppm	ppm	ppm	ppm	ppm
99BST-334 Analytical Duplicate	353630.41	6074080.73	2.07	6	1.7	1000	40	20.6	5.0	7	5.7	0.26	0.8	23.5	1	979	25	480	0.3
99BST-334 Analytical Duplicate	353630.41	6074080.73	2.07	7	1.5	1100	39	23.1	5.0	6	5.8	0.25	0.7	23.7	1	926	25	490	0.2

Sample Site	Sc	Sr	Th	U	Zn	La	Ce	Nd	Sm	Eu	Tb	Lu	TREE
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
99BST-7 Analytical Duplicate	0.4	930	0.1	0.05	1700	1.7	2	2.5	0.3	0.02	0.03	0.03	6
99BST-7 Analytical Duplicate	0.4	640	0.3	0.05	1800	1.8	2	2.5	0.3	0.02	0.03	0.03	6
99BST-21-1 Field Duplicate	0.6	320	0.1	0.05	2400	1.7	3	2.5	0.3	0.02	0.03	0.03	8
99BST-21-2 Field Duplicate	0.9	150	0.7	0.05	2900	2.6	7	2.5	0.5	0.02	0.03	0.03	13
99BST-24 Analytical Duplicate	0.7	150	0.4	0.50	1400	1.9	6	2.5	0.3	0.02	0.19	0.03	11
99BST-24 Analytical Duplicate	0.6	730	0.1	0.05	1300	1.6	4	2.5	0.3	0.02	0.03	0.03	8
99BST-41-1 Field Duplicate	0.5	150	0.2	0.05	2600	1.6	4	2.5	0.2	0.02	0.03	0.03	8
99BST-41-2 Field Duplicate	0.8	150	0.1	0.05	2500	2.2	5	2.5	0.4	0.02	0.21	0.03	10
99BST-42 Analytical Duplicate	0.5	1100	0.3	0.05	1500	1.4	5	2.5	0.2	0.02	0.03	0.03	9
99BST-42 Analytical Duplicate	0.5	730	0.3	0.05	1600	1.7	2	2.5	0.2	0.02	0.26	0.03	6
99BST-65 Analytical Duplicate	0.4	150	0.4	0.05	1800	1.7	2	2.5	0.3	0.02	0.12	0.03	6
99BST-65 Analytical Duplicate	0.4	600	0.7	0.05	1800	2.0	5	2.5	0.3	0.20	0.14	0.03	10
99BST-70-1 Field Duplicate	0.5	150	0.1	0.05	2100	2.0	2	2.5	0.2	0.02	0.03	0.03	6
99BST-70-2 Field Duplicate	0.5	600	0.4	0.05	2200	1.8	4	2.5	0.3	0.02	0.03	0.03	9
99BST-75 Analytical Duplicate	0.3	150	0.1	0.05	1700	1.5	2	2.5	0.2	0.02	0.03	0.03	6
99BST-75 Analytical Duplicate	0.4	150	0.1	0.05	1800	1.4	2	2.5	0.2	0.02	0.03	0.03	6
99BST-82-1 Field Duplicate	1.6	610	1.0	0.05	2300	6.1	11	2.5	0.9	0.02	0.34	0.03	21
99BST-82-2 Field Duplicate	1.4	430	0.7	0.60	3300	4.9	9	2.5	0.7	0.19	0.56	0.08	18
99BST-98 Analytical Duplicate	0.6	370	0.4	0.05	1100	2.2	5	2.5	0.3	0.02	0.35	0.05	10
99BST-98 Analytical Duplicate	0.6	150	0.1	0.05	1100	2.2	4	2.5	0.3	0.02	0.13	0.03	9
99BST-101-1 Field Duplicate	0.7	450	0.5	0.05	1800	2.5	3	2.5	0.4	0.02	0.19	0.03	9
99BST-101-2 Field Duplicate	0.7	150	0.3	0.05	2000	2.4	2	2.5	0.4	0.02	0.19	0.03	7
99BST-109 Analytical Duplicate	0.5	540	0.4	0.05	1500	1.6	3	2.5	0.3	0.02	0.03	0.03	7
99BST-109 Analytical Duplicate	0.5	150	0.1	0.05	1600	1.8	4	2.5	0.2	0.02	0.17	0.03	9
99BST-124-1 Field Duplicate	0.6	150	0.4	0.05	1700	2.2	4	2.5	0.3	0.14	0.25	0.03	9
99BST-124-2 Field Duplicate	0.6	320	0.1	0.05	1700	2.0	4	2.5	0.3	0.02	0.03	0.03	9
99BST-134 Analytical Duplicate	0.8	150	0.5	0.05	1300	2.9	4	2.5	0.4	0.02	0.19	0.03	10
99BST-134 Analytical Duplicate	0.7	400	0.4	0.05	1200	2.6	7	2.5	0.4	0.02	0.21	0.03	13

Sample Site	Sc ppm	Sr ppm	Th ppm	U ppm	Zn ppm	La ppm	Ce ppm	Nd ppm	Sm ppm	Eu ppm	Tb ppm	Lu ppm	TREE ppm
99BST-141-1 Field Duplicate	0.4	410	0.4	0.05	1700	1.5	3	2.5	0.2	0.01	0.03	0.03	7
99BST-141-2 Field Duplicate	0.5	630	0.4	0.05	2100	1.6	3	2.5	0.3	0.02	0.03	0.03	7
99BST-151 Analytical Duplicate	0.7	150	0.4	0.05	2500	2.4	3	2.5	0.4	0.01	0.12	0.03	8
99BST-151 Analytical Duplicate	0.7	150	0.5	0.05	2500	2.3	2	8.0	0.4	0.01	0.20	0.03	12
99BST-212 Analytical Duplicate	0.4	460	0.1	0.05	1800	1.3	4	2.5	0.2	0.02	0.18	0.03	8
99BST-212 Analytical Duplicate	0.4	440	0.3	0.05	1700	1.5	2	2.5	0.3	0.02	0.03	0.03	6
99BST-219-1 Field Duplicate	0.7	530	0.5	0.05	1800	2.4	5	2.5	0.4	0.19	0.22	0.03	11
99BST-219-2 Field Duplicate	0.6	150	0.5	0.05	2200	1.9	3	2.5	0.3	0.01	0.15	0.03	8
99BST-230 Analytical Duplicate	0.8	700	0.7	0.05	1300	3.0	5	2.5	0.5	0.18	0.27	0.03	11
99BST-230 Analytical Duplicate	0.8	590	0.6	0.05	1300	3.0	5	2.5	0.5	0.02	0.26	0.03	11
99BST-230 Analytical Duplicate	0.8	150	0.6	0.05	1800	3.2	6	2.5	0.5	0.02	0.03	0.03	12
99BST-247 Analytical Duplicate	0.3	600	0.3	0.05	1200	1.3	2	2.5	0.2	0.01	0.03	0.03	6
99BST-247 Analytical Duplicate	0.4	660	0.1	0.05	1300	1.4	2	2.5	0.3	0.02	0.03	0.03	6
99BST-248-1 Field Duplicate	0.5	1300	0.4	0.05	1300	1.8	2	2.5	0.3	0.01	0.20	0.03	6
99BST-248-2 Field Duplicate	0.4	1100	0.1	0.05	2200	1.2	2	2.5	0.2	0.02	0.03	0.03	5
99BST-263 Analytical Duplicate	0.3	560	0.3	0.05	1600	0.9	2	6.0	0.3	0.12	0.20	0.03	9
99BST-263 Analytical Duplicate	0.3	650	0.3	0.05	1700	1.2	2	2.5	0.2	0.01	0.13	0.03	6
99BST-276-1 Field Duplicate	0.6	150	0.5	0.05	1600	2.6	5	2.5	0.4	0.16	0.18	0.03	11
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99BST-279 Analytical Duplicate	0.8	510	0.7	0.05	3100	3.1	7	2.5	0.5	0.02	0.30	0.05	13
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99BST-282-1 Field Duplicate	1.0	510	1.0	0.05	2600	3.6	7	2.5	0.6	0.02	0.20	0.03	14
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99BST-316 Analytical Duplicate	0.9	460	0.6	0.05	2400	3.0	6	2.5	0.5	0.02	0.19	0.03	12
99BST-316 Analytical Duplicate	0.8	380	0.6	0.05	2200	3.0	6	2.5	0.5	0.19	0.44	0.03	13
99BST-329-1 Field Duplicate	0.7	150	0.6	0.05	1900	2.9	7	8.0	0.5	0.02	0.35	0.06	19
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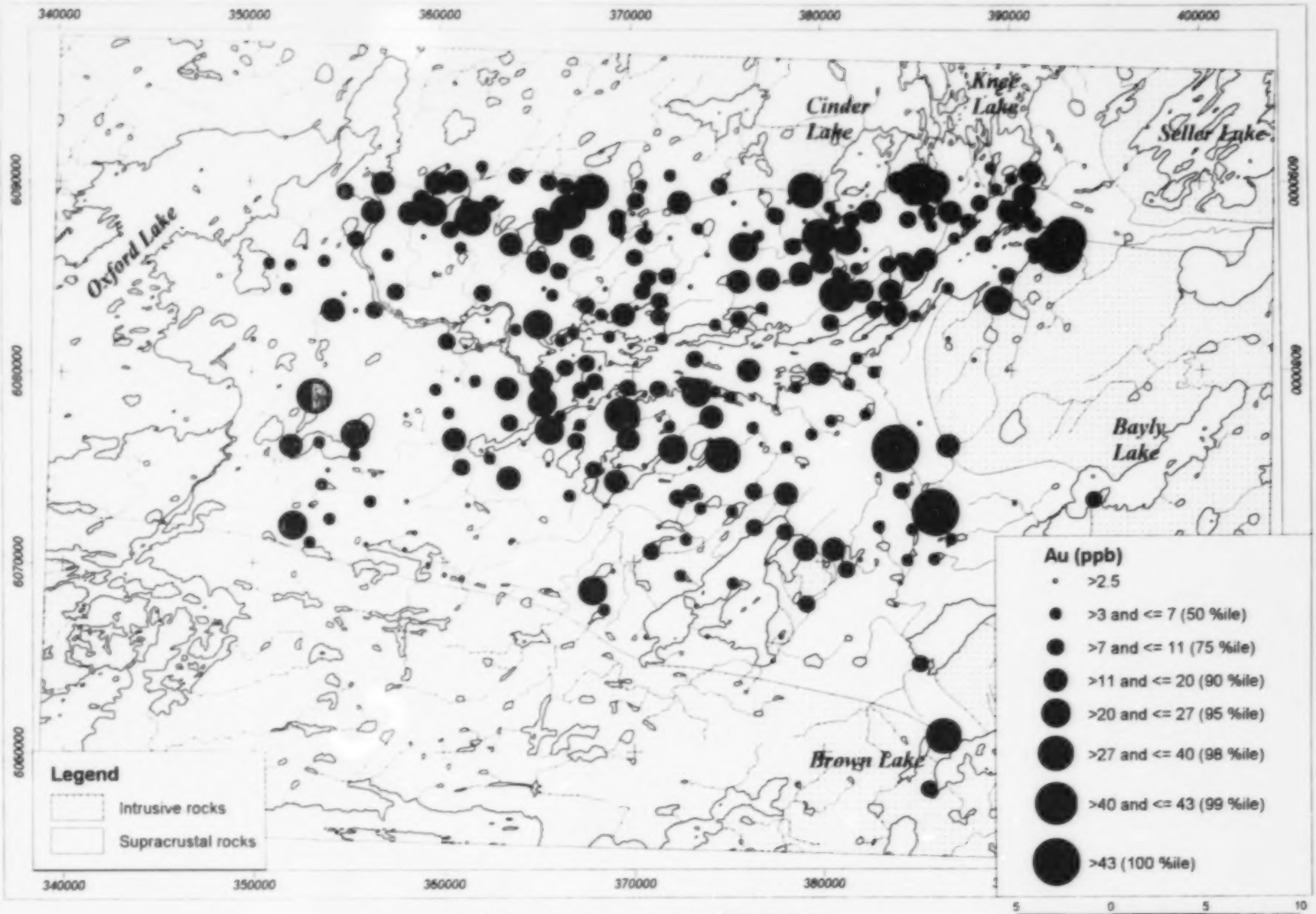
Sample Site	Sc	Sr	Th	U	Zn	La	Ce	Nd	Sm	Eu	Tb	Lu	TREE
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
99BST-334 Analytical Duplicate	0.6	150	0.4	0.05	1800	2.1	7	2.5	0.4	0.02	0.03	0.03	12
99BST-334 Analytical Duplicate	0.6	410	0.4	0.05	1700	2.1	5	2.5	0.4	0.02	0.03	0.03	10

INAA Percentile Bubble Plots.



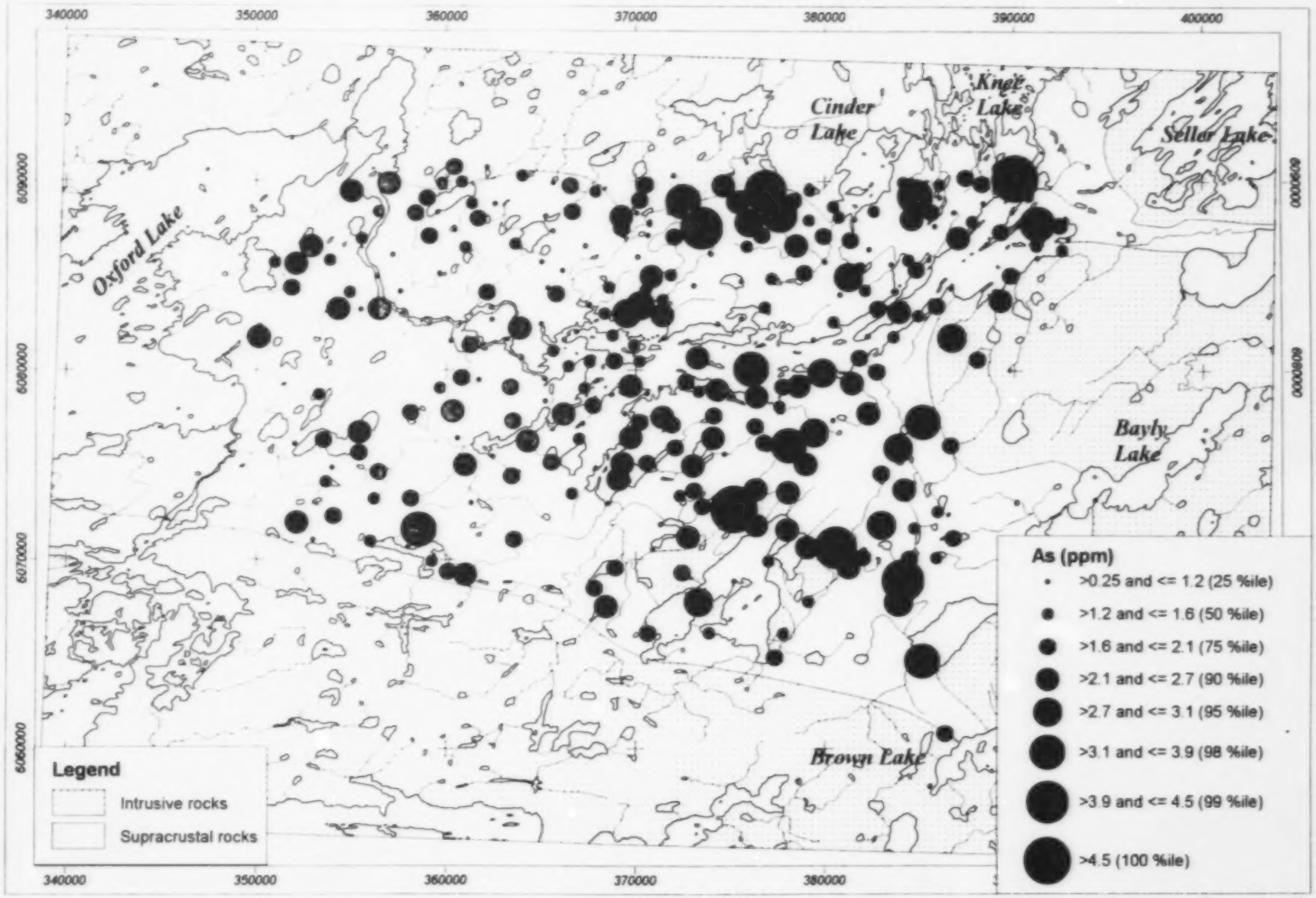
Black Spruce Crown Twigs - 293 samples
INAA

Appendix V-6-1



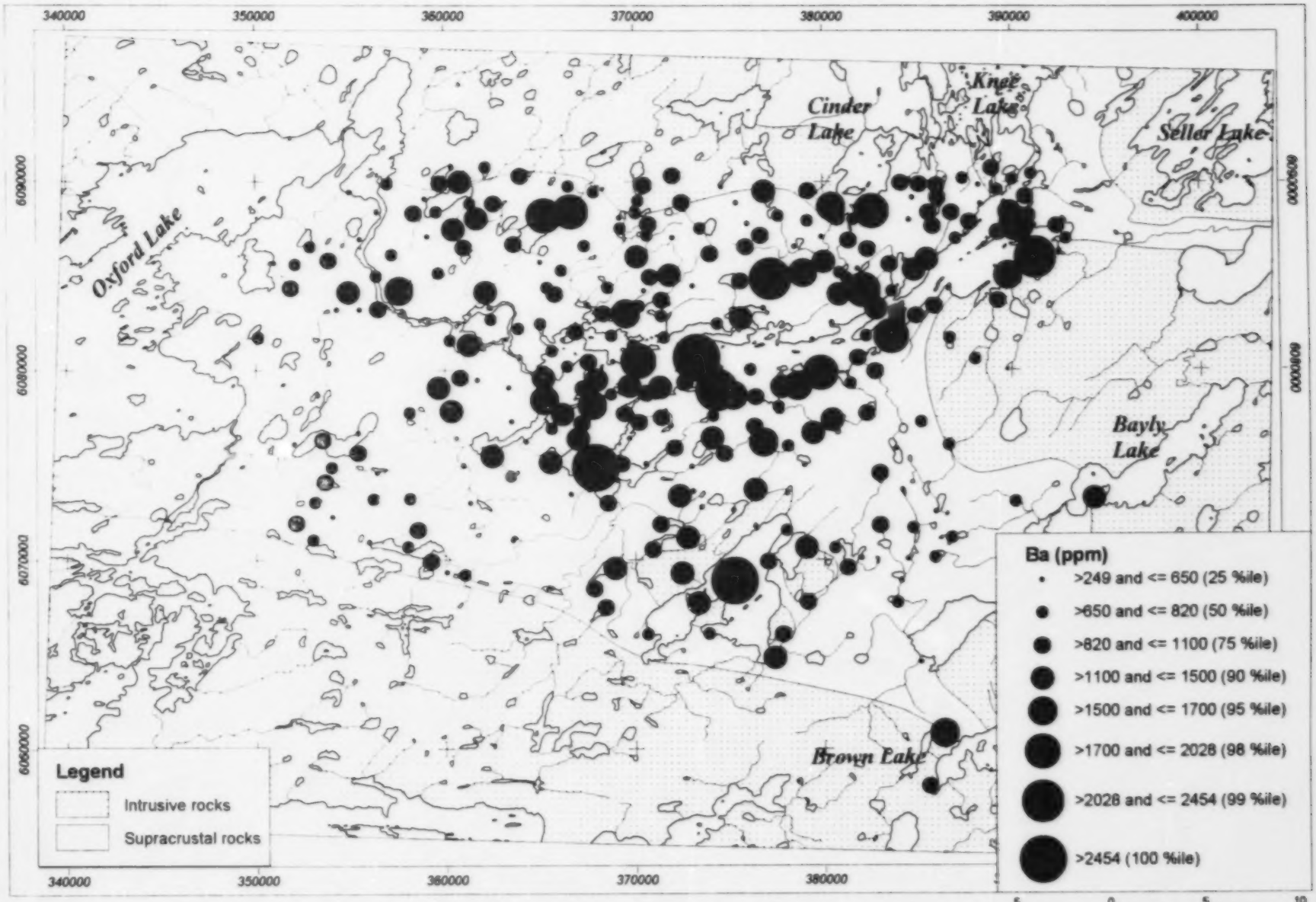
Black Spruce Crown Twigs - 293 samples
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Appendix V-6-2



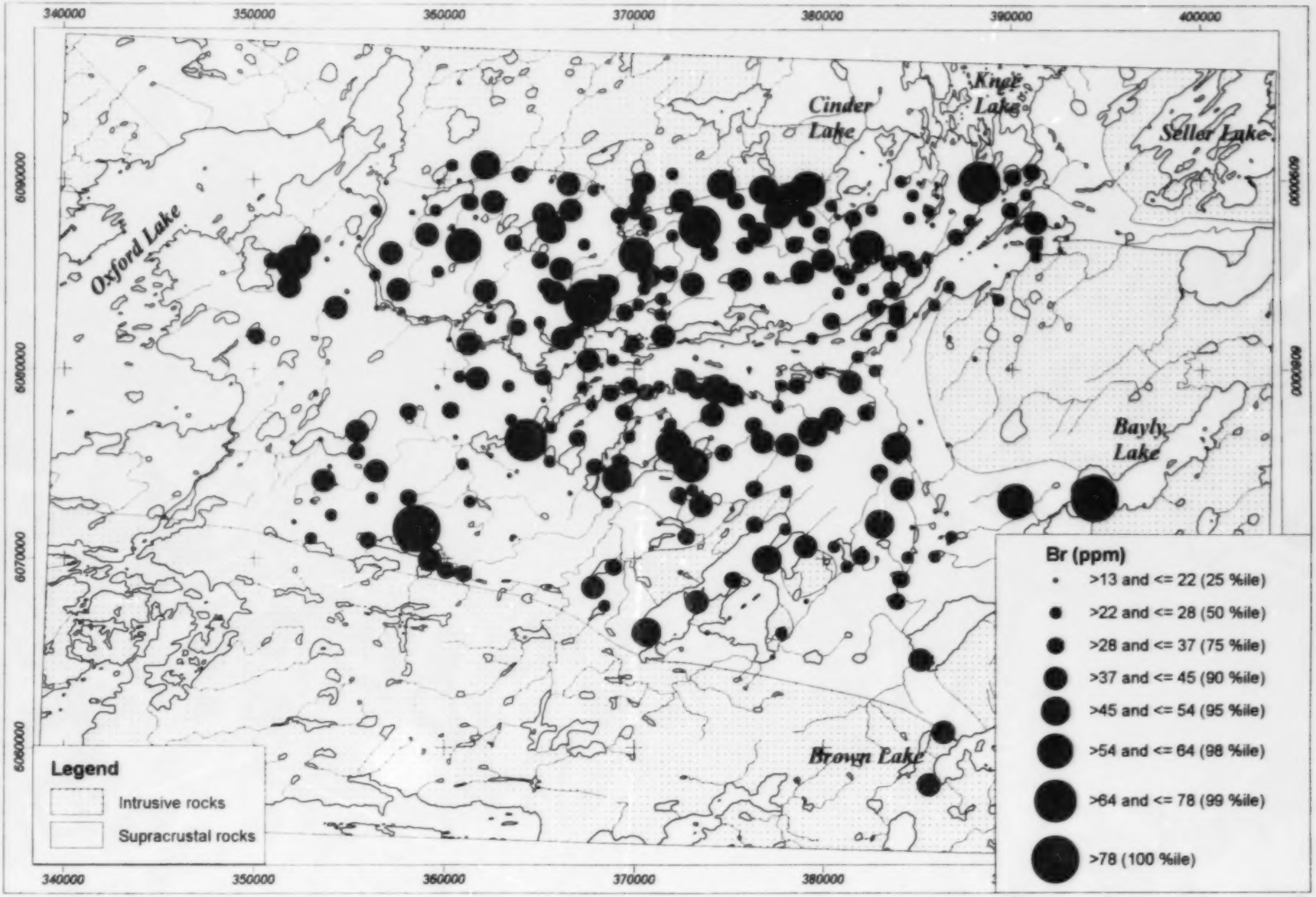
Black Spruce Crown Twigs - 293 samples
INAA

Appendix V-6-3



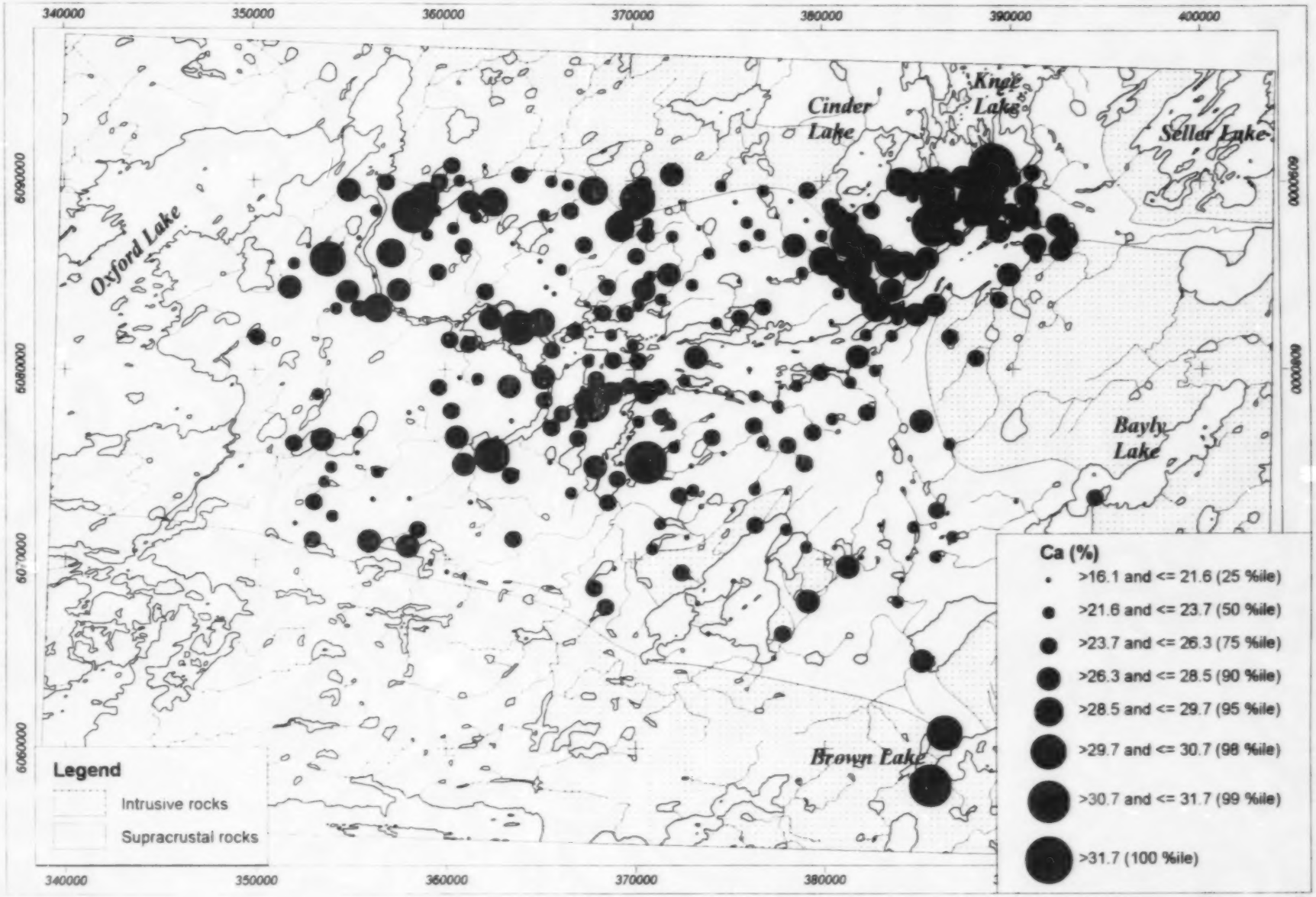
Black Spruce Crown Twigs - 293 samples
INAA

Appendix V-6-4



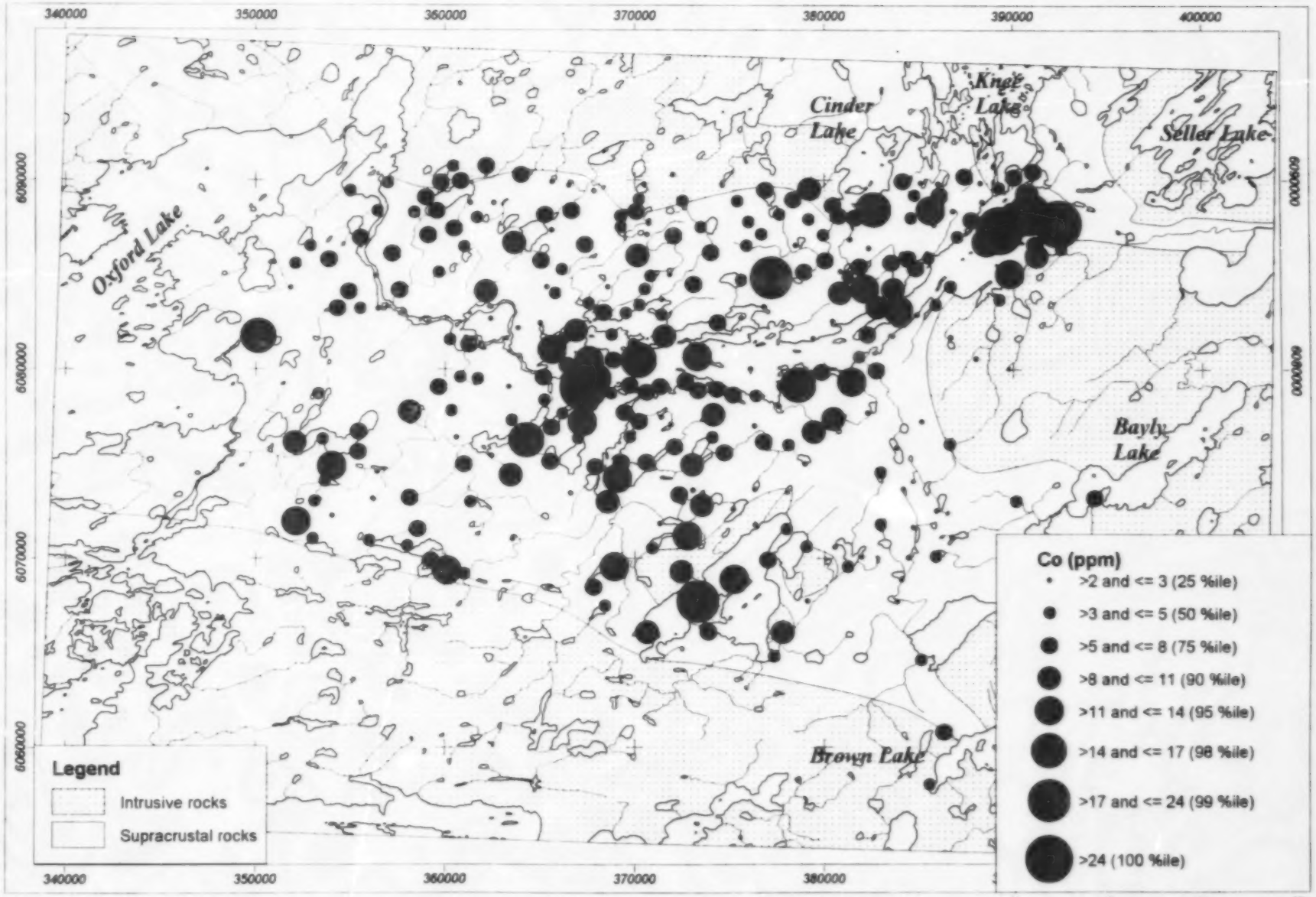
Black Spruce Crown Twigs - 293 samples
INAA

Appendix V-6-5



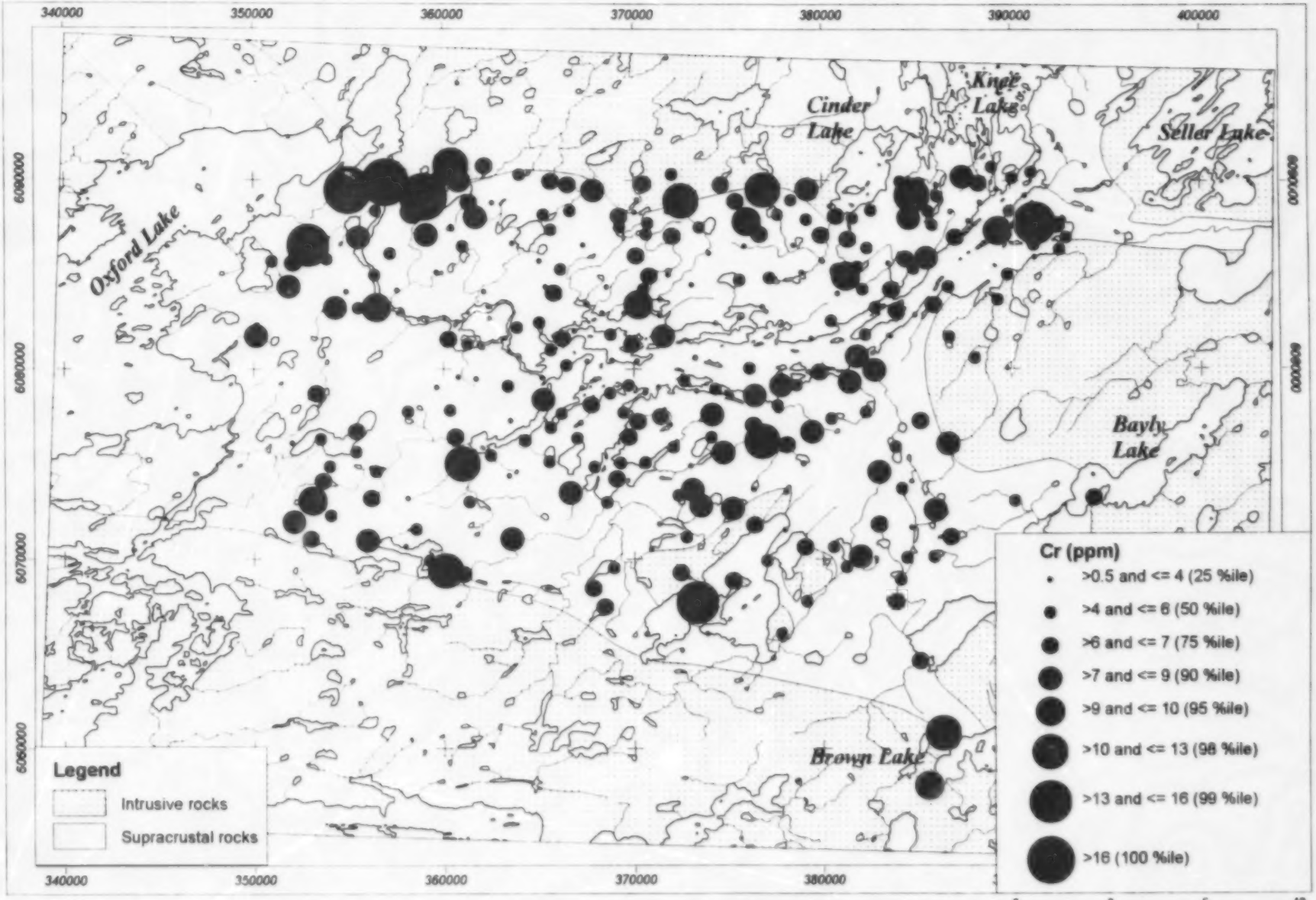
Black Spruce Crown Twigs - 293 samples
INAA

Appendix V-6-6



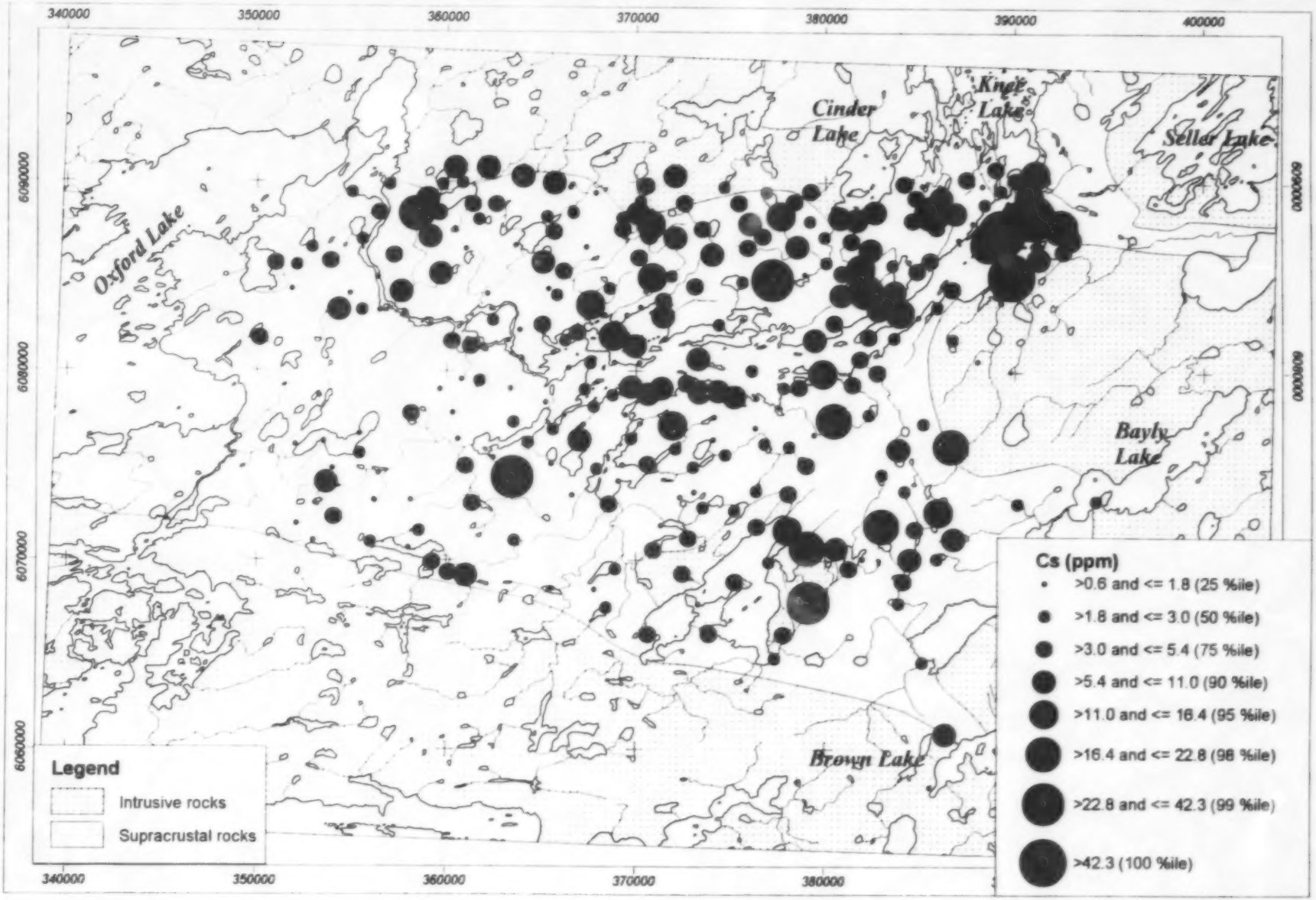
Black Spruce Crown Twigs - 293 samples
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Appendix V-6-7



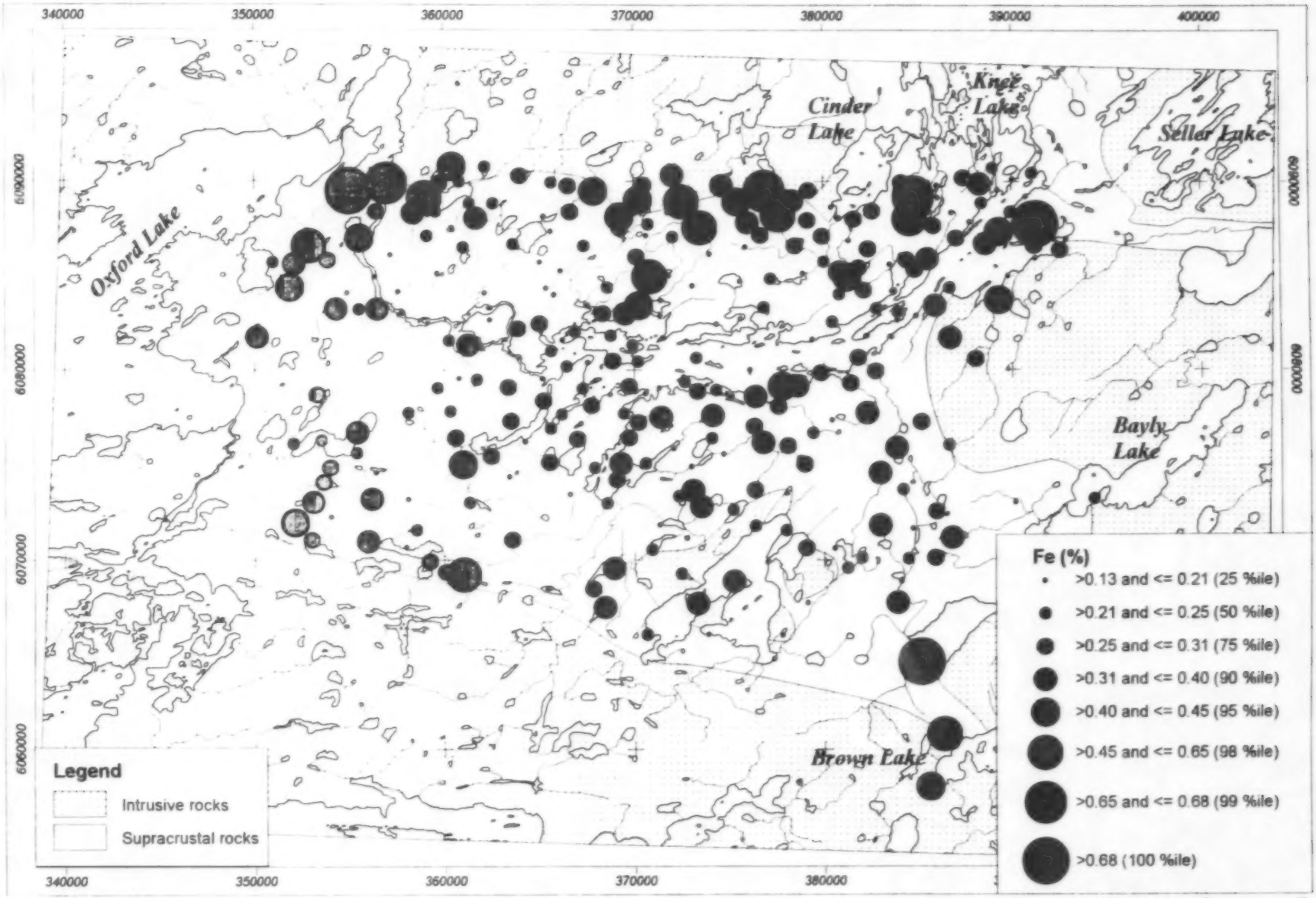
Black Spruce Crown Twigs - 293 samples
INAA

Appendix V-6-8

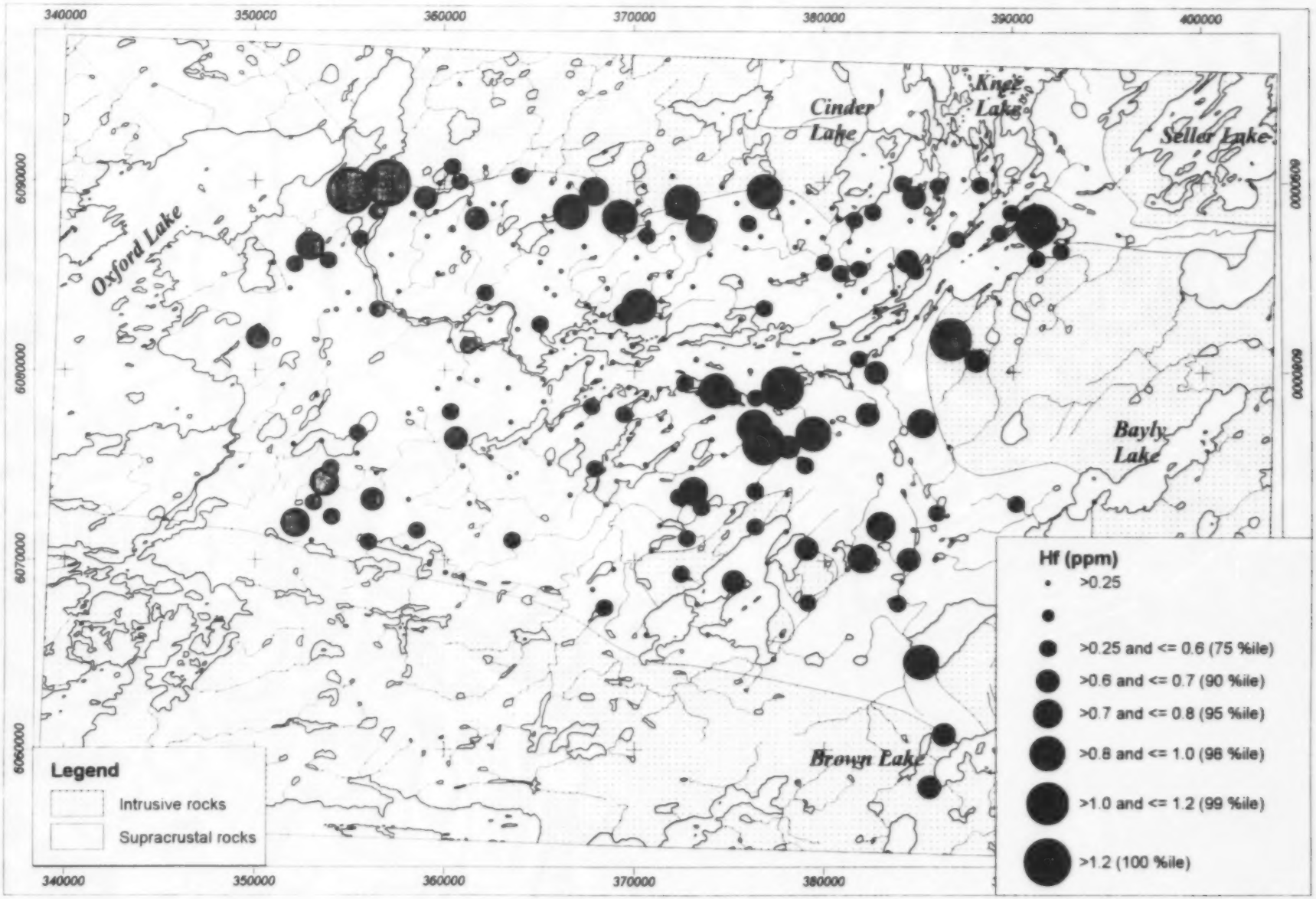


Black Spruce Crown Twigs - 293 samples
INAA

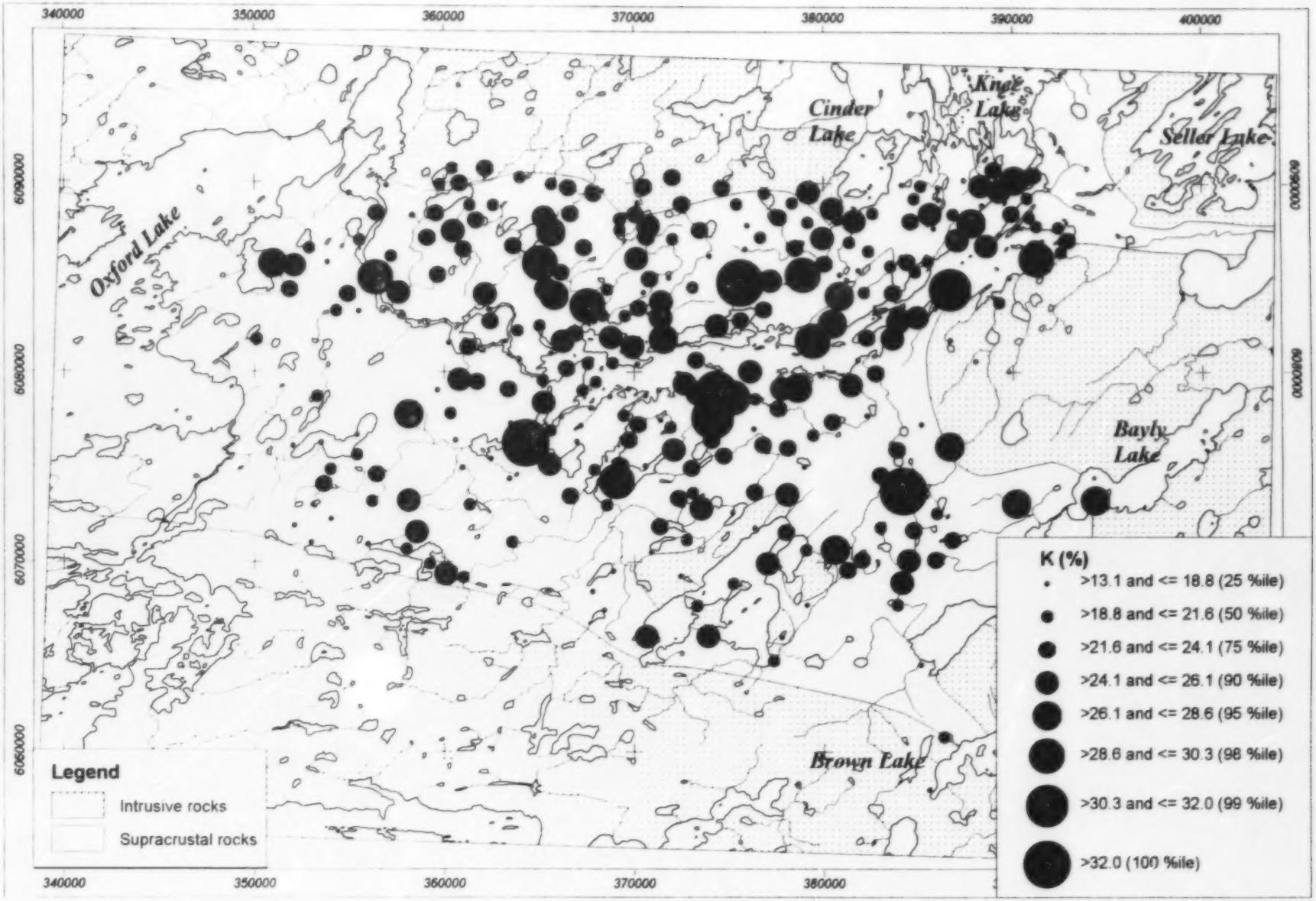
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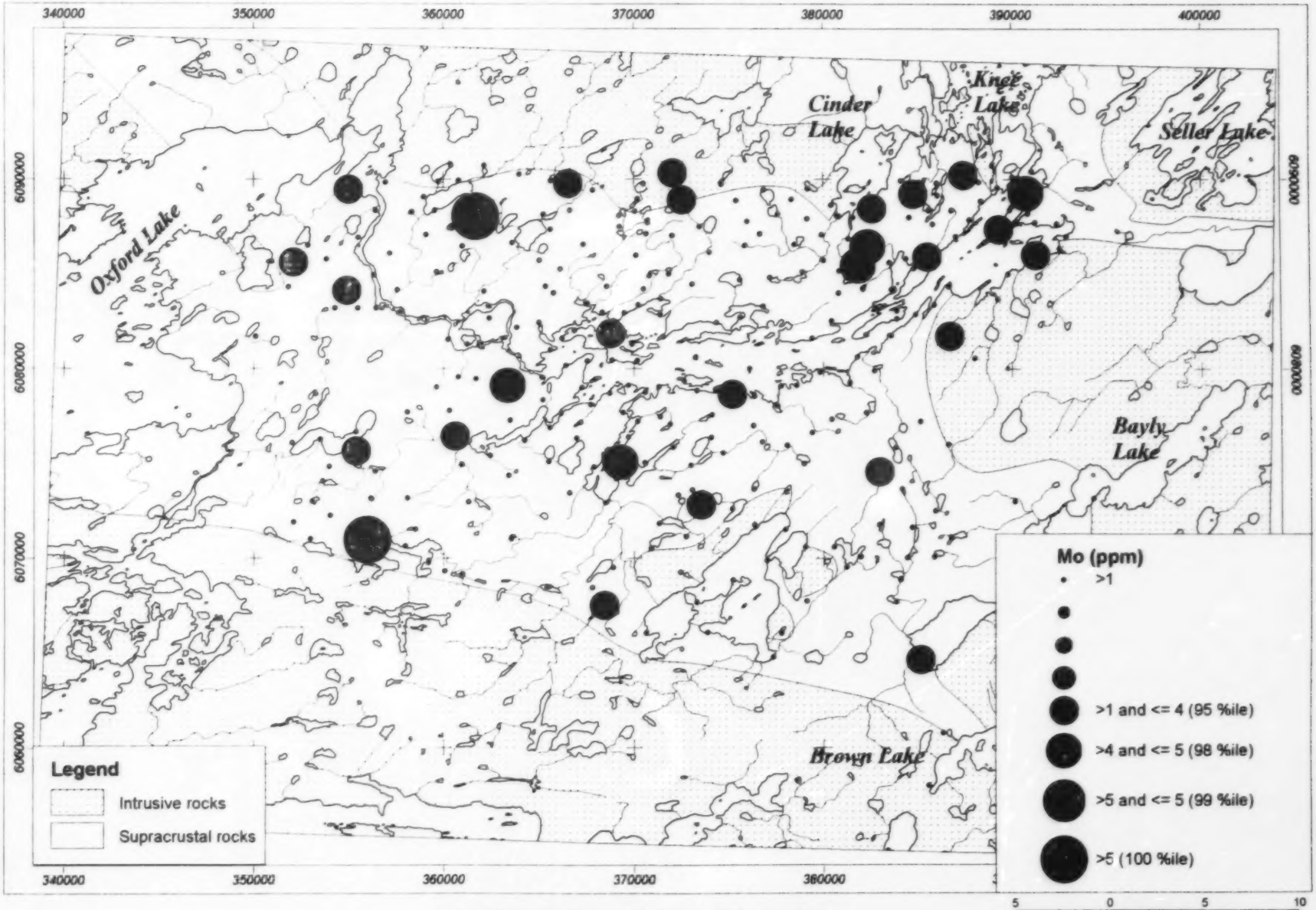
Black Spruce Crown Twigs - 293 samples
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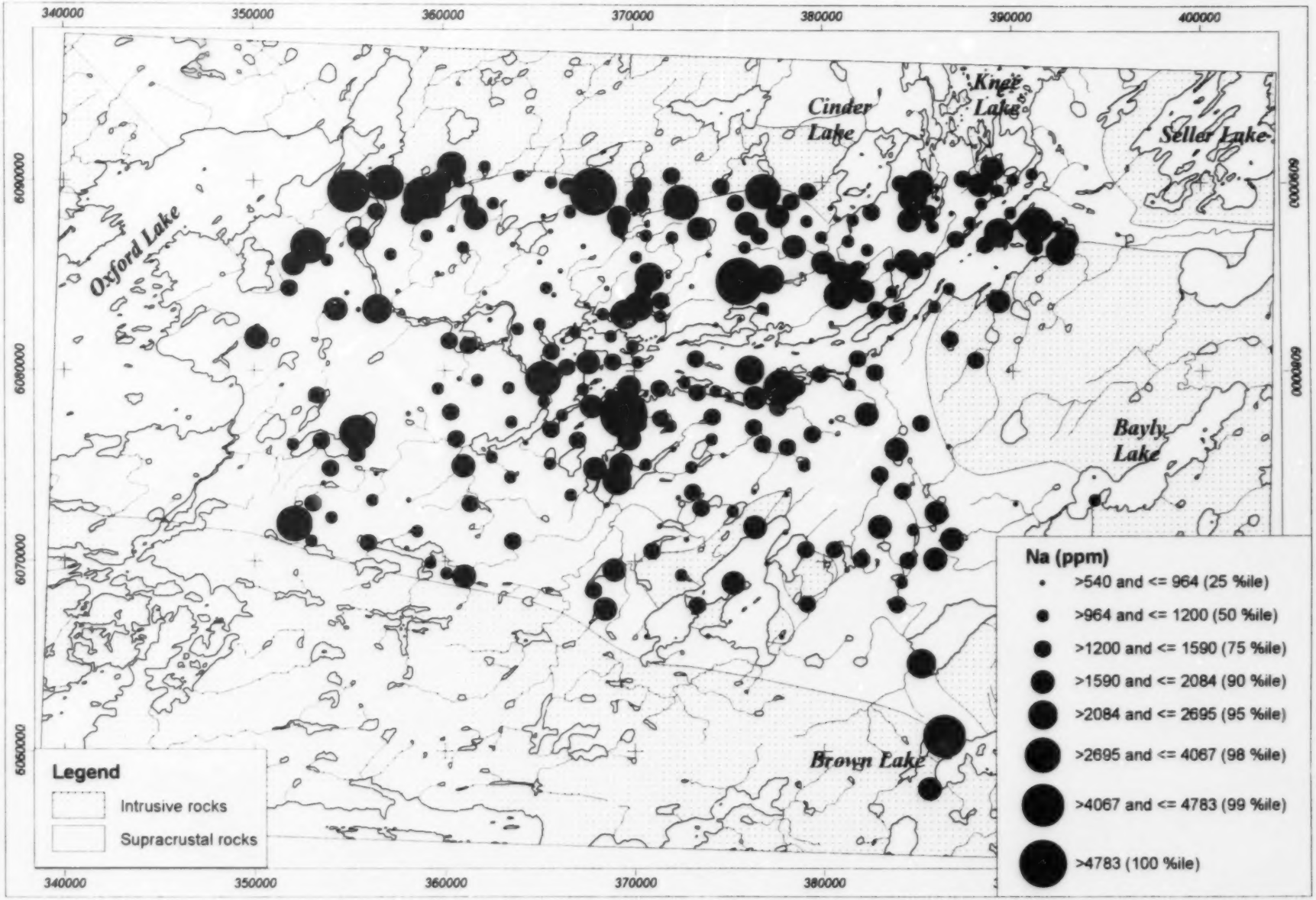
Black Spruce Crown Twigs - 293 samples
INAA



Black Spruce Crown Twigs - 293 samples
INAA

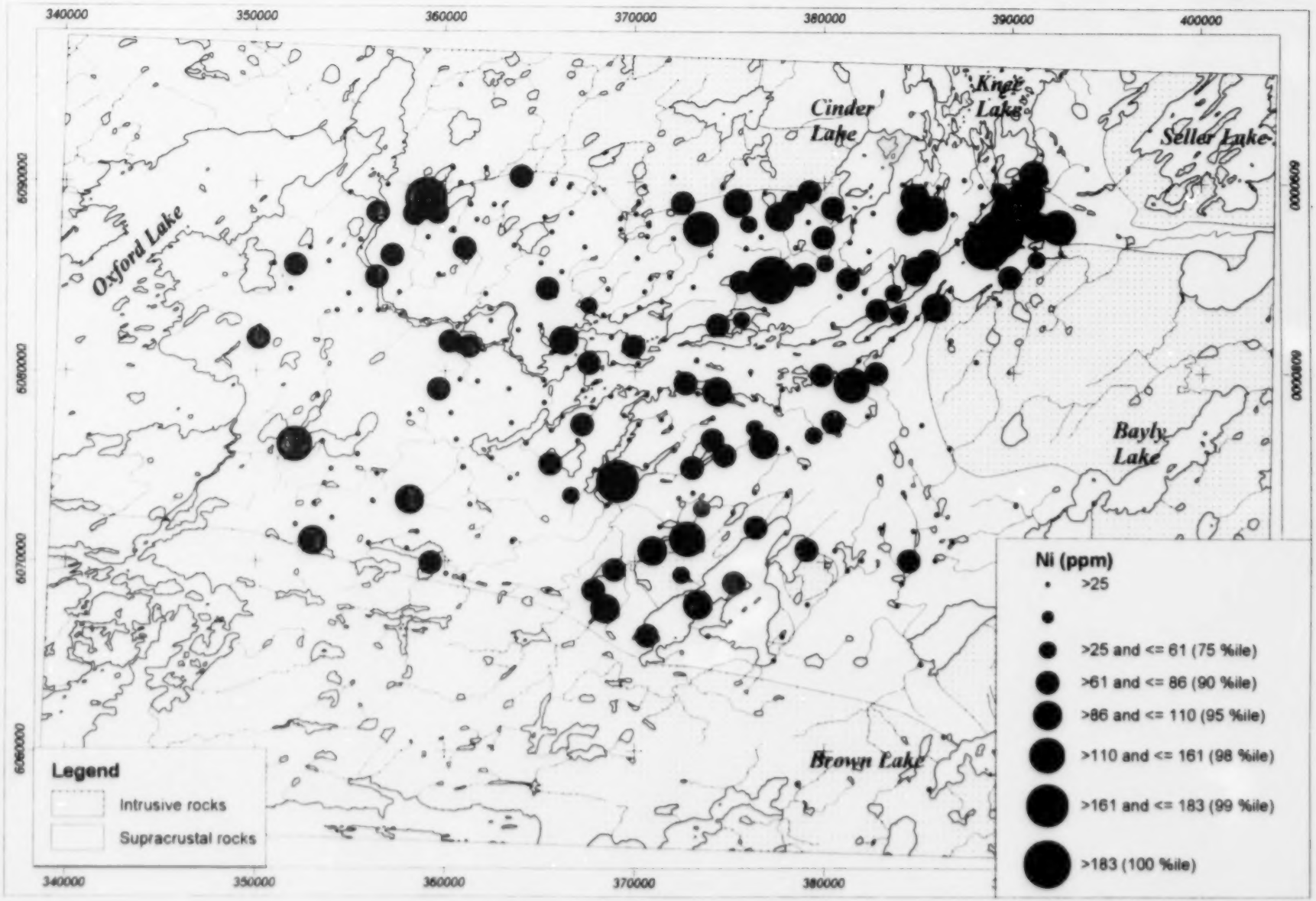


Black Spruce Crown Twigs - 293 samples
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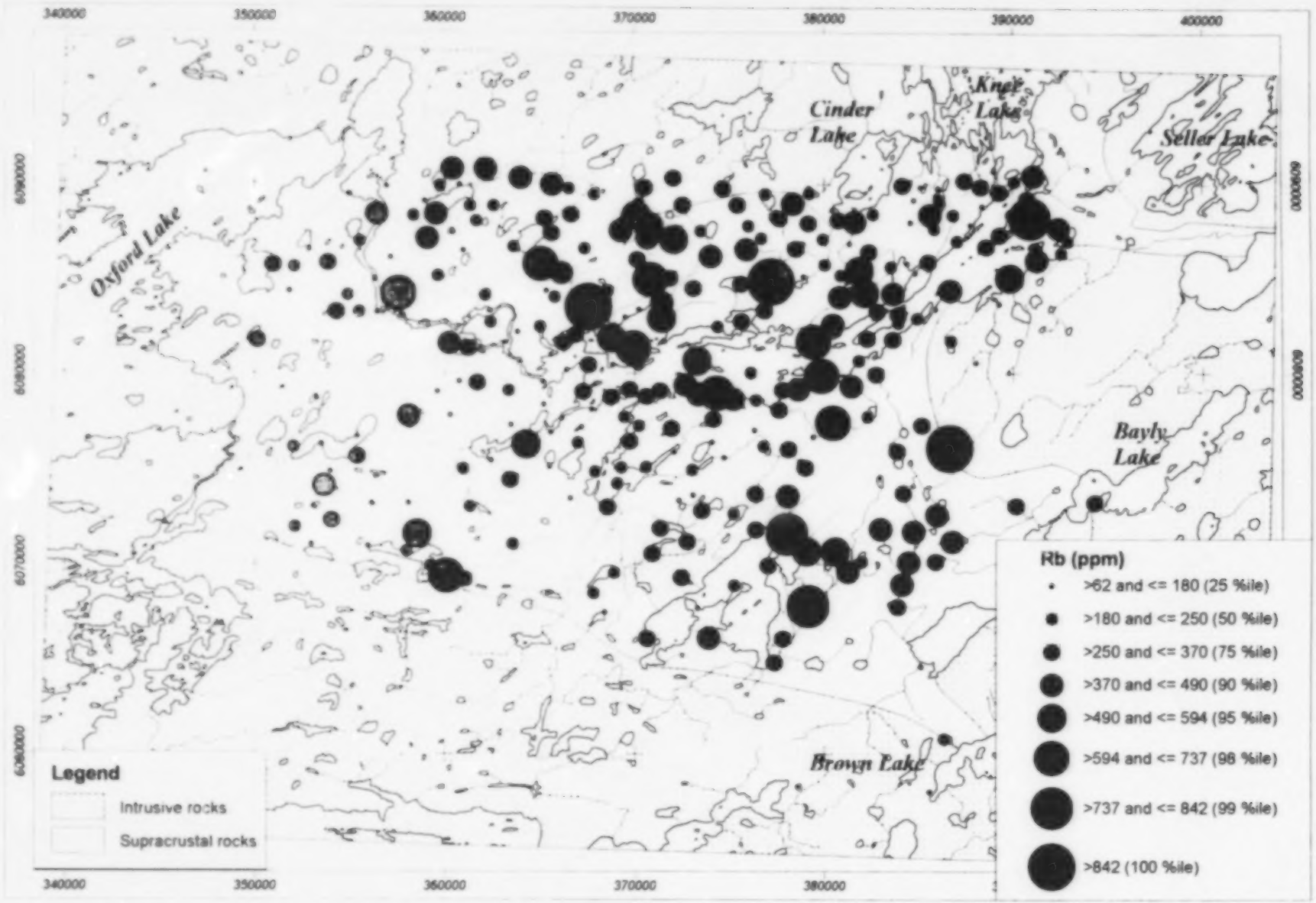


Black Spruce Crown Twigs - 293 samples
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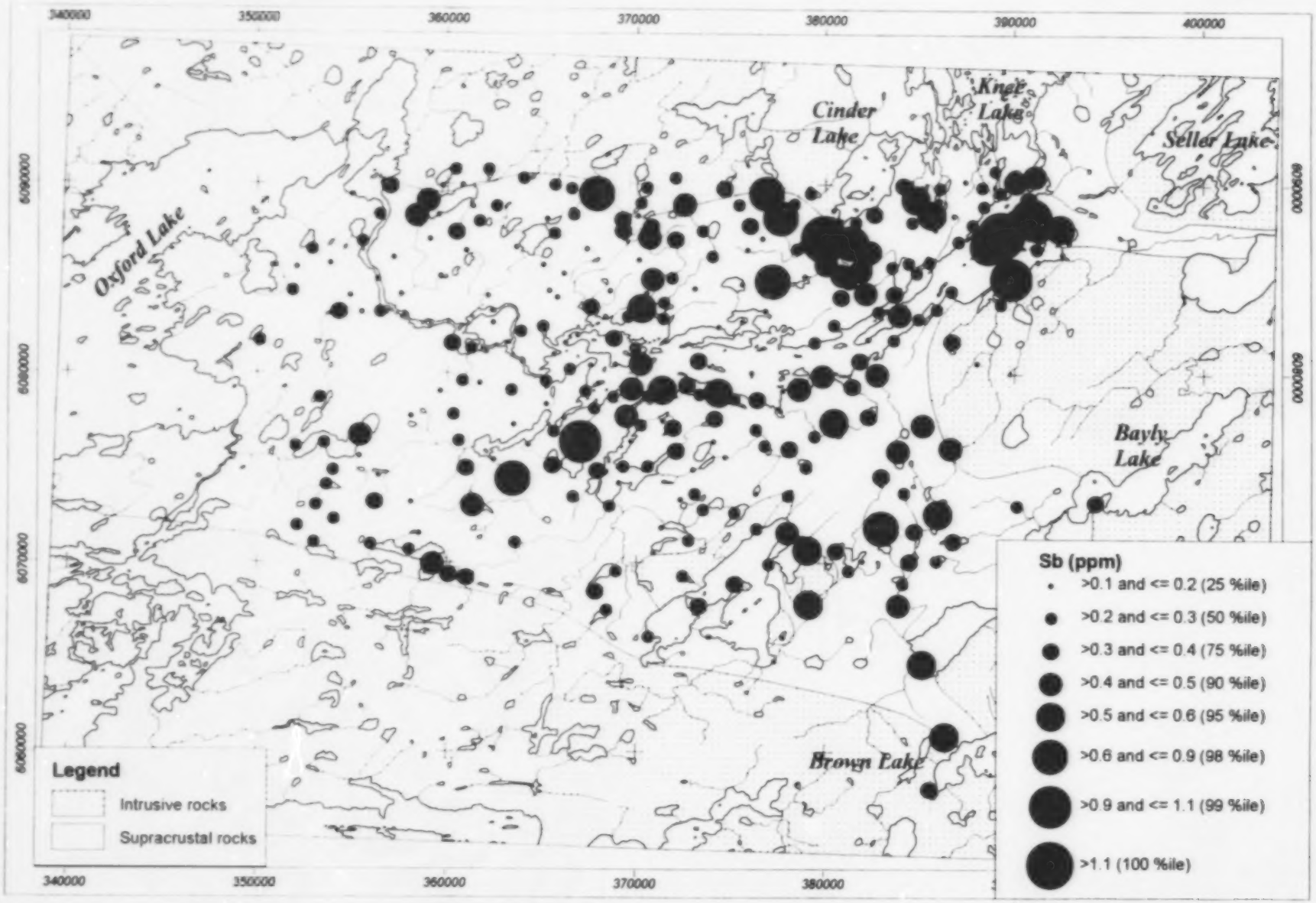
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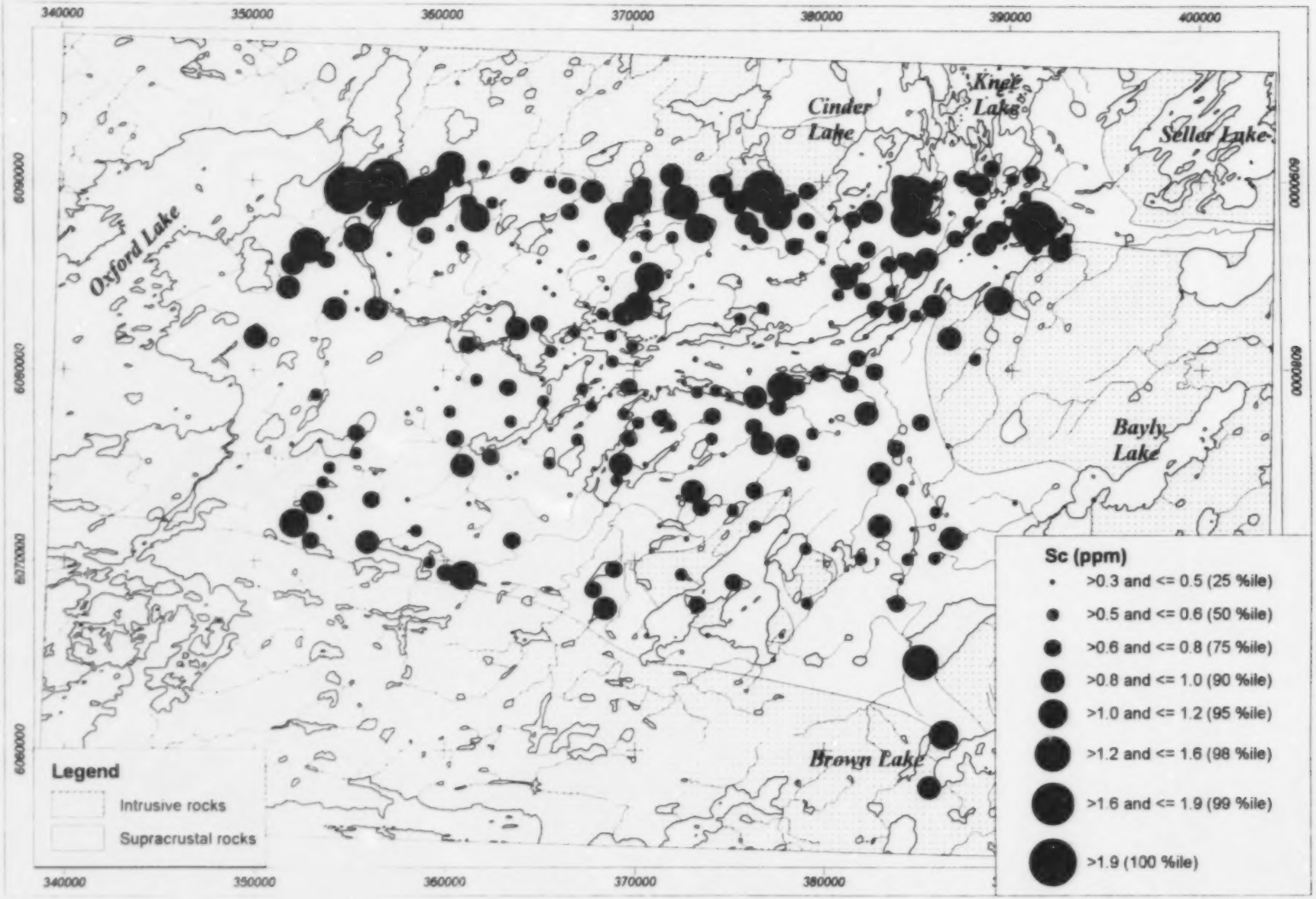
Black Spruce Crown Twigs - 293 samples
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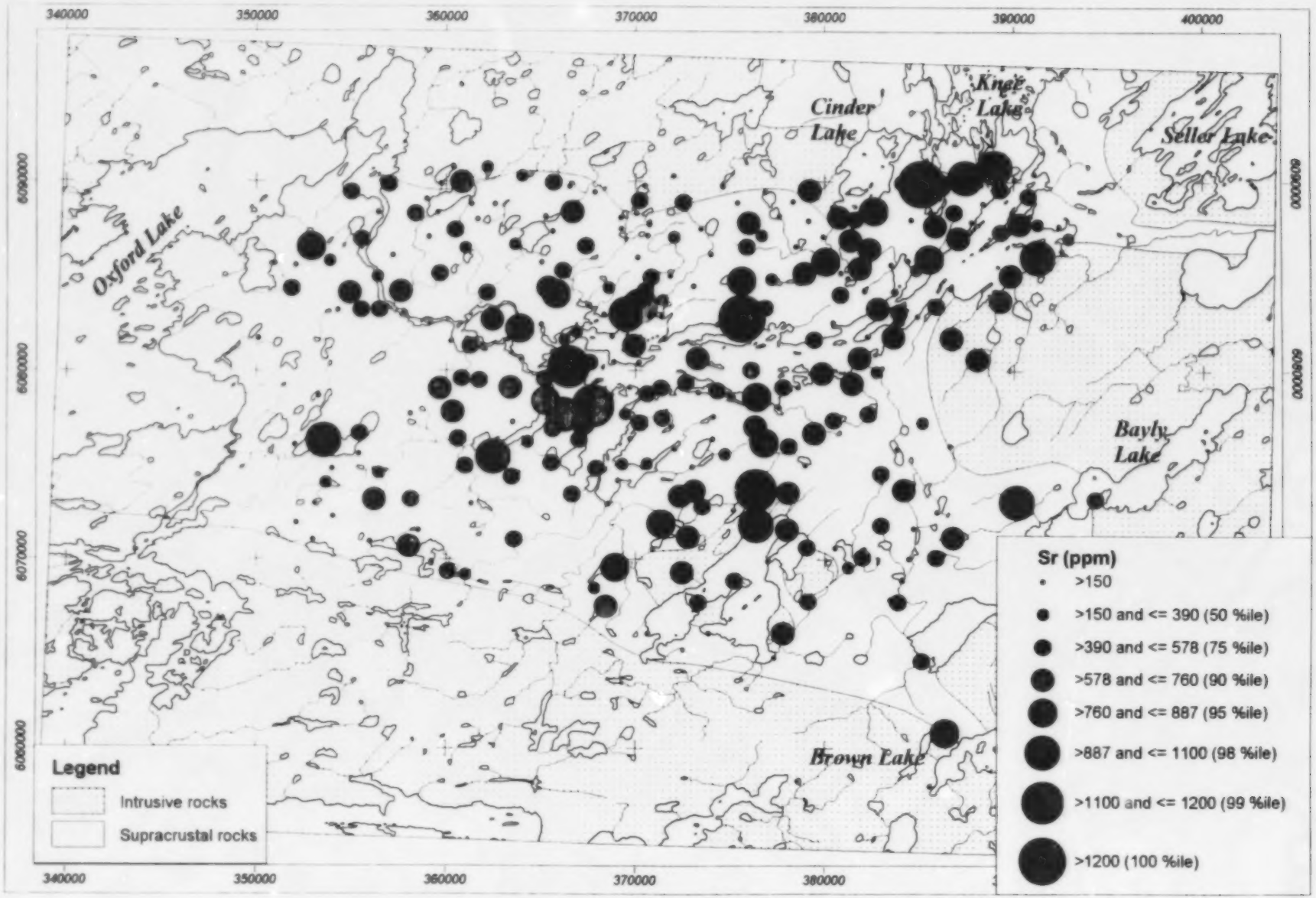
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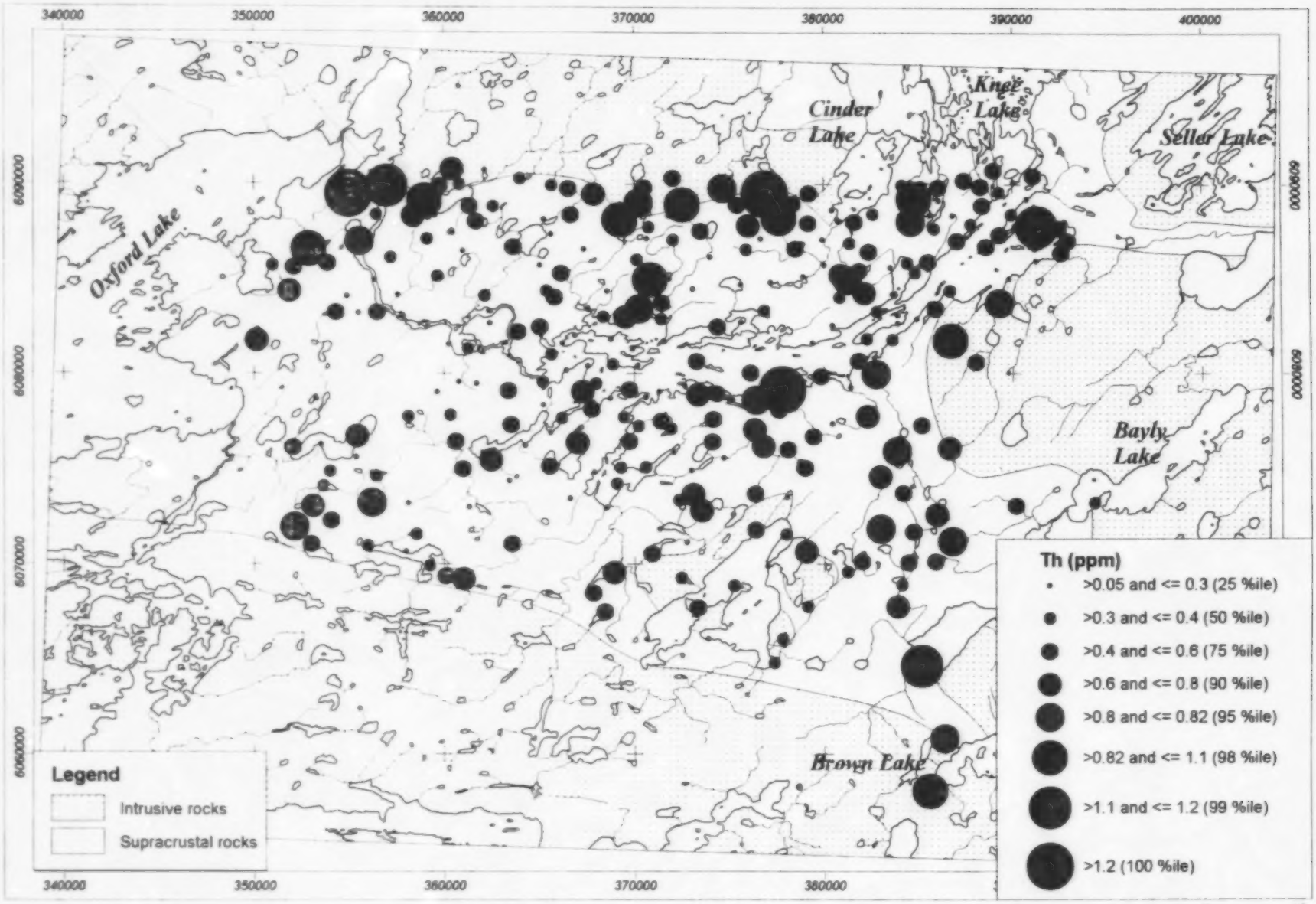
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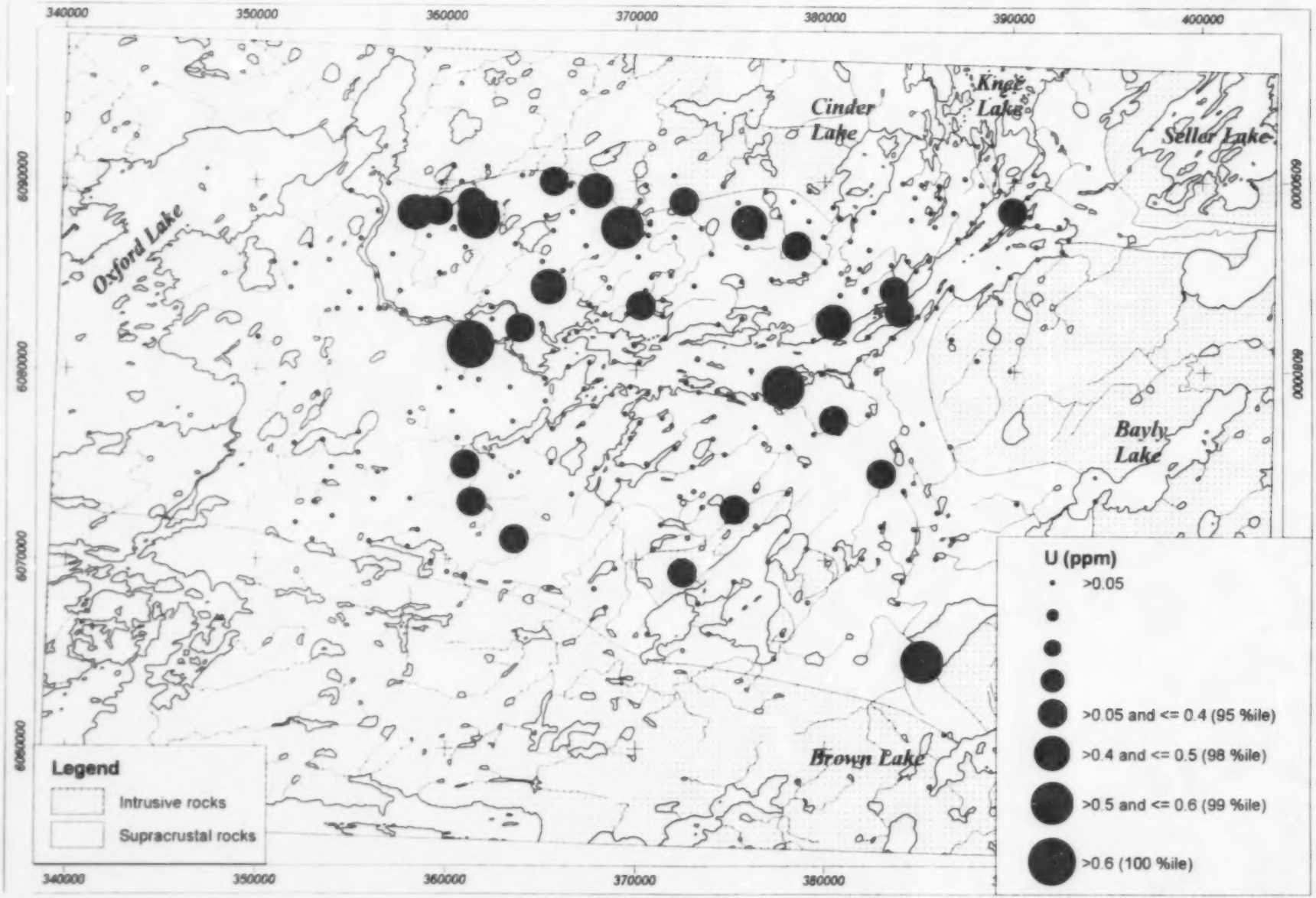
Black Spruce Crown Twigs - 293 samples
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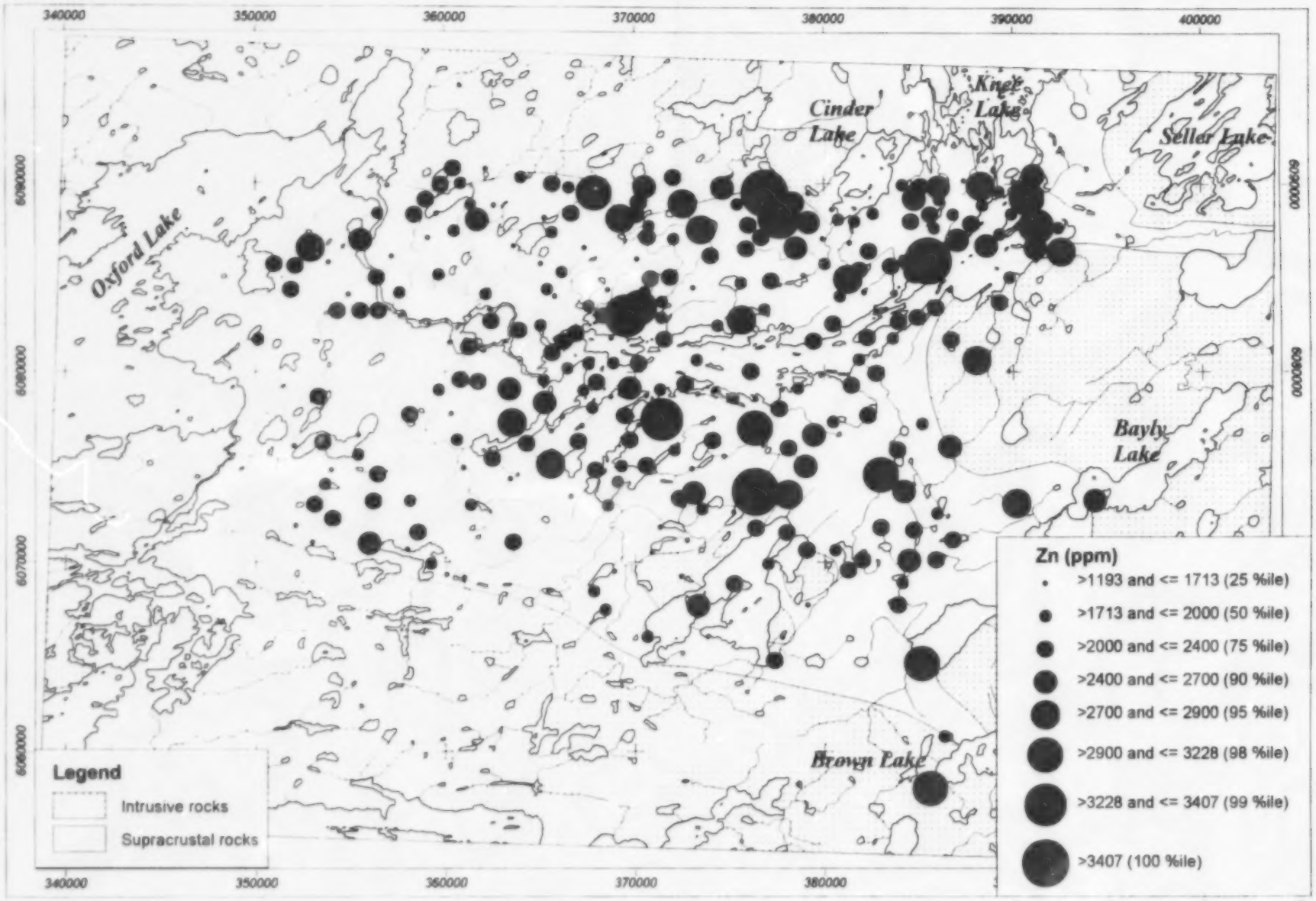
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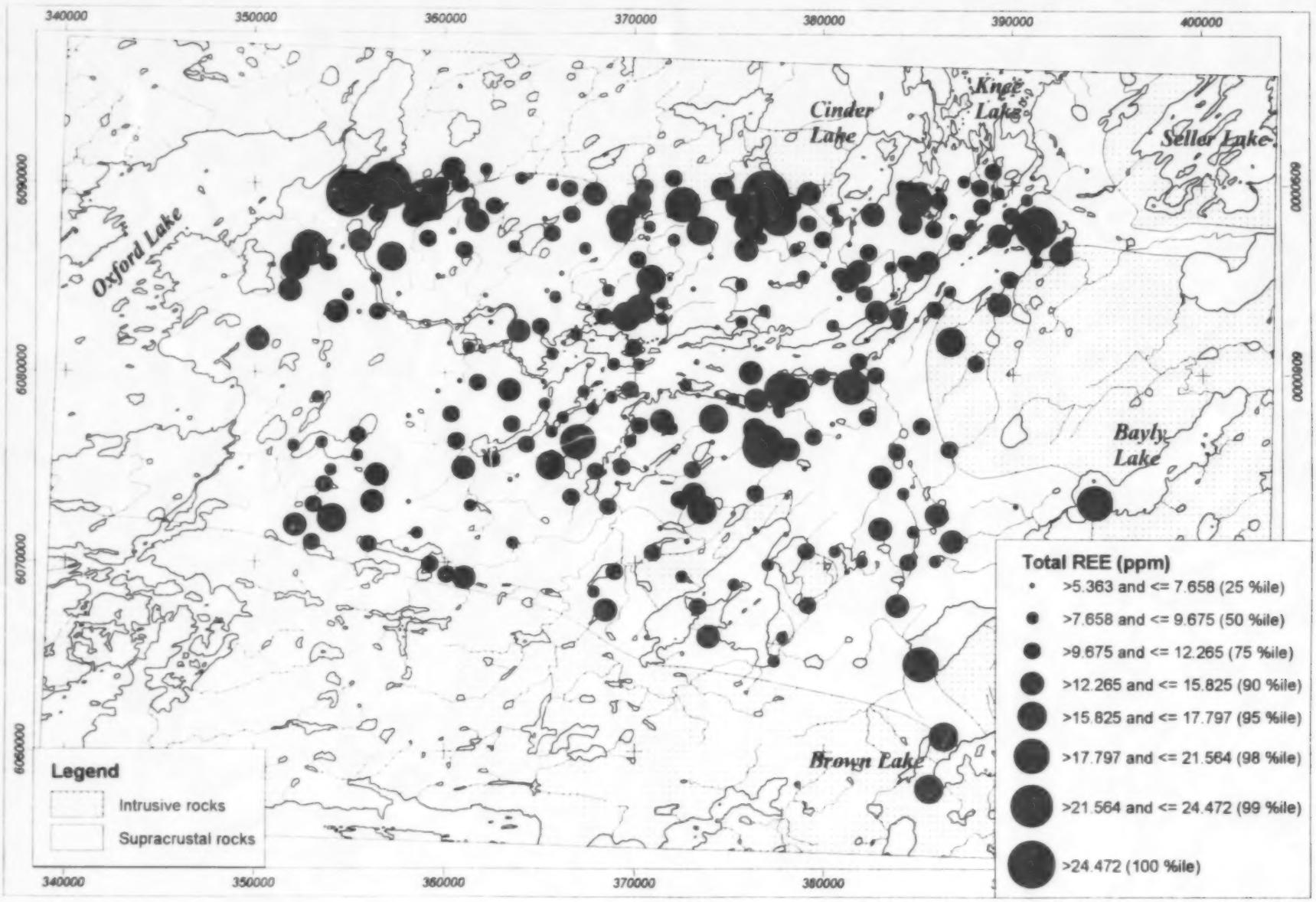
Black Spruce Crown Twigs - 293 samples
INAA



Black Spruce Crown Twigs - 293 samples
INAA



Black Spruce Crown Twigs - 293 samples
INAA



Black Spruce Crown Twigs - 293 samples
INAA

SYNOPSIS

The 1999 multimedia geochemical survey of the southern portion of the Knee Lake greenstone belt has successfully delineated geochemical patterns attributable to regional metallogenetic features, previously recognized structurally disrupted and mineralized zones, unique lithologies as well as documenting significant geochemical responses from areas of little or no outcrop or no previously known mineral exploration. The association of multimedia geochemical signatures with the south and north periphery of the Knee Lake greenstone belt demonstrates that these high strain zones (and associated structures) are hydrothermal fluid pathways and as such represent good exploration targets.

The relatively high success rate of the various sample types in reproducing geochemical anomalies is documented in this year's survey despite the presence of wetlands, peats and clay-dominated terrain in the 1999 survey area. All sample media have effectively delineated similar areas of geochemical flux and have achieved one of the major goals of this approach to resource assessment: reduce large tracts of ground to more localized areas where traditional exploration methods can be applied. Areas of anomalous geochemical response without known mineralization are also multimedia in nature. These occur in areas previously considered to have low mineral potential due to the lack of outcrop or the presence of predominantly intrusive rocks.

Rock geochemical surveys have identified the Southern Knee Lake Shear Zone (SKSZ) as a metallogenetic feature worthy of follow-up based on high to moderate contrast multisample and multielement anomalies in rocks overprinted by this structure. The similarities between the SKSZ and the Kirkland Lake–Larder Lake–Cadillac Break, both transpressional shear zones, makes exploration along this feature and associated splays a priority. Potential for massive sulphide-type mineralization east of Cinder Lake in felsic volcanic rocks is indicated by rock geochemical results from this year's survey. Similar geochemical responses are observed in areas of no known exploration activity. A previously undocumented north-northwest-trending structure at Cinder Lake is deduced from rock geochemical signatures. The elements that characterize this linear geochemical trend suggest a temporal and spatial relationship with a REE–enriched syenite that outcops on the southeast shore of Cinder Lake. The linear is interpreted as a structure that facilitated intrusion of the syenite with REE anomalies produced during its emplacement.

The application of the enzyme leach process to glaciolacustrine sediments has demonstrated that this new geochemical approach can produce data useful for mineral exploration. This technique has the potential to 'see' where mineralized zones may exist at depths not tested by diamond drilling, or to penetrate thick and compositionally variable surficial deposits that cover prospective ground in the greenstone belts. The technique is rapid and, in the face of rapidly mounting case history and exploration successes, deserves to be considered as an integral part of a mineral exploration program. In this year's survey the enyme leach results have demonstrated the ability of this technique to reflect different lithologies. The northern portion of the study area is characterized by abundant volcanic rocks and is characterized by anomalous concentrations of the elements Al, Fe, Mg, K, Rb, Cs, Ti, Nb, Hf, Pb and Ga whereas the sedimentary rock-dominated area south of Knee Lake is elevated in Bi, Mn and Y. The SKSZ is identified on the basis of the enzyme leach data as well as a major metallogenetic feature with structures identified by elevated As contents and coincident Sb, Cu, Cd, Ni and Bi anomalies. Enzyme leach anomalies highlight the northern and southern high-strain margins of the belt and successfully identify the area east of Cinder Lake as highly prospective for base metals.

Humus surveys identified the same general areas of geochemical flux documented by the analysis of other sampling media. This includes the area east of Cinder Lake (Zn, S, Hg, P, Ba, H^+ and specific conductance anomalies), the SKSZ and structures along

the northeast arm of the lake, the Cinder Lake rare element trend and new areas of interest in the northwest corner of the survey area (Cd, S, As responses), as well as possible geochemical signature related to ultramafic rocks in an area of no outcrop at the western survey area boundary. Humus geochemical data continues to provide unique and consistent responses mirrored by other sampling media.

The success of the b-horizon/enzyme leach soil survey is mirrored by the equally successful vegetation geochemical survey based on the collection and ashing of black spruce crown twigs. The shallow root system of this tree is often cited as problematic, limiting acquisition of metals to those derived from often allochthonous near surface deposits. The trees sampled in 1999 were observed to be rooted in the same glaciolacustrine clays as were sampled for enzyme leach analysis and this suggests that the essential and non-essential elements required for proper nutrition are being derived, in part, from this soil horizon. It would appear that the process or mechanism of metal dispersion from bedrock sources (groundwater, electro-dispersive and/or vapour phase transport) may be slowed by 'hostile' surficial deposits, but not prevented. The extraordinarily elevated Bi concentrations in ashed vegetation samples collected from the southern portion of the survey area demonstrates the ability of this sample medium to reflect differences in metal contents over regions characterized by different lithologies and attendant metal contents. Both the SKSZ and the area east of Cinder Lake are identified as highly prospective on the basis of vegetation geochemical responses as well as focussing attention on the Magill Lake intrusion as a possible heat/metal source. Vegetation Au and Bi anomalies along a northwest-trending structure just west of Cinder Lake represent new areas of exploration potential.

Glacial tills sampled for analysis in 1999 were geochemically analysed to assist base and precious metal exploration but also this year a significant effort was expanded to collect another bulk till of approximately 8 kg for mineralogical workup. Geochemically the till results identified several areas where elevated metal contents are associated with known mineralized zones. These include elevated Cu, Pb, Zn and Ga from the area east of Cinder Lake (volcanogenic massive sulphide mineralization), the SKSZ (As) and Li and REE anomalies at McLauglin Lake near the southern margin of the belt. This is strongly indicative of a locally derived contribution to the till despite the observation that as carbonate content in the tills increases the metal contents decrease. This reflects the contribution of allochthonous carbonate from the Hudson Bay Lowland. Possibly the most important observation in this year's till geochemical data is the presence of a higher dolomite component to the till in the northern, volcanic rock-dominated portion of the survey area. The till in this area is non-drumlinized and also contains significantly more geochemical responses for a greater number of commodity-related elements. Additionally, the majority of kimberlite indicator minerals were retrieved from till samples collected from non-drumlinized tills. On the basis of these observations it may be wise to selectively sample non-drumlinized till during the search for geochemical and mineralogical indicator fans.

The expansion of the till mineralogical portion of this year's multimedia survey was based on the examination of kimberlite indicator minerals (KIM), metamorphosed massive sulphide and magmatic sulphide minerals (MMSIM^{TM}) and gold grain counts undertaken at Overburden Drilling Management Ltd. The KIM study, without the benefit of electron microprobe mineral analyses, identified site 104 as highly anomalous in terms of multiple chromite grains. Gold grain counts were disappointing with a limited range of one to five grains identified in samples from across the survey area. These grains were reshaped and indicate long distance transport. The southern portion of the Knee Lake greenstone belt would necessarily be interpreted to be 'non-fertile' in terms of gold mineralization on the basis of these results. In as much as most gold grain dispersion fans associated with significant gold mineralization are up to 1 km in length it is possible that the sample spacing used in this survey is inadequate. Very low grain recoveries

for MMSIM were returned in this year's survey. Low pyrite and chalcopyrite grain counts indicate poor potential for massive sulphide-type mineral deposits in the area. Low levels of kyanite, staurolite and sillimanite are attributed to the low metamorphic grade of rocks in this year's survey area. Low grade metamorphism is insufficient to generate these minerals in alteration zones associated with base metal massive sulphide deposits.

Kimberlite indicator mineral surveys based on information from Monopros Ltd., describing numbers of and analytical characteristics of indicator minerals, were encouraging. A total of eight 'G10' garnets were identified in this year's samples and site 104 was recognized as highly anomalous on the basis of chromite grains. This is the fourth year that Monopros Ltd. conducted analysis of samples provided during the multimedia survey.

The success of the 1999 multimedia geochemical and mineralogical survey in the southern portion of the Knee Lake greenstone belt provides confidence for undertaking year five of this survey in the northern portion of the Knee Lake Belt. The southern portion of the belt has received significant amounts of allochthonous carbonate-rich materials from the Hudson Bay Lowland (HBL) and this carbonate 'flooding' is interpreted to be significant once again as the survey moves closer to the HBL. Despite obvious allochthonous carbonate dilution of geochemical and mineralogical signatures, anomalies have been recognized in all sampling media. Moreover, selective sampling of non-drumlinized till may provide more geochemical and mineralogical data relevant to the search for base and precious metals and diamonds in the northern Superior Province of Manitoba.